

Spinning, Weaving and Textile Manufacture
in Prehistoric Greece

- from the beginning of the Neolithic to the end of
the mycenaean Ages; with particular reference to
the evidence found on archaeological excavations.

Volume II
Figures and Plates.

by

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XXXII Cylindrical Loomweights.

- a. Cylindrical weight from Poliochni (Azzuro Phase - Late Neolithic/Early Bronze Age transitional)
(L. Bernarbo Brea "Poliochni", 1964, Pl. LXXXIIa).
- b. Cylindrical and cylindrical/spherical weights from Troy (Early Bronze Age?)
(H. Schliemann "Ilios", 1880, Woodcuts Nos. 1200, 1201).
- c. Single-hole cylindrical weight from Tiryns (Schliemann's excavations), showing string wear in hole.
- d. Two-hole cylindrical weight from Tiryns (Schliemann's excavations), threaded up in accordance with indications of string wear.
(c, d, by courtesy of the Deutsches Archäologisches Institut, Athens).

XXXIII Cylindrical Loomweights etc.

- a. Late Bronze Age cylindrical loomweights from Akrotiri.
(S. Marinatos "Excavations at Thera IV", 1971, Pl. 46b).
- b. Late Bronze Age cylindrical loomweights from Miletus.
(Wolfgang Schiering, *Ist. Mitt.*, Vols. 9 - 10, 1959 - 1960, Pl. 18, No. 4).

XXXIII Cylindrical Loomweights etc.
cont.

c. Clay objects from Eutresis.

- 1). Conical loomweight of Late Classical/Hellenistic type, said to have been found in middle and Late Helladic contexts.
- 2). Pierced clay reel of middle Helladic type (from an Early Helladic context with some middle Helladic sherds).
- 3), 6). Cylindrical single-hole loomweights found in Early and Middle Helladic contexts.
- 4), 5). Spit supports ? (not pierced right through).
(H. Goldman "Excavations at Eutresis in Boeotia", 1931, detail of Fig. 266).

XXXIV Spherical, Cylindrical, Pyramidal and Conical Bronze Age Loomweights.

- a. Spherical weight from middle Helladic Lianokladhi (note match-box scale, and that the weight is upsidedown).
(A. J. B. Wace and M. S. Thompson "Prehistoric Thessaly", 1912, Pl. 126f).
- b. Unstratified (Early Bronze Age ?) spherical weight from Servia, No. 395.
- c. Early Bronze Age pyramidal weights from Servia.
From left: Nos. 92, 340 ('tent-shaped' weights of the Trojan type); 238, 301, 339.
- d. Weights from Vardaroftsa.
Early Bronze Age: Nos. 1 (?), 7 (?), 8 (?).
Middle Bronze Age: No. 12.
Late Bronze Age: Nos. 2, 3, 4, 5, 6, 9, 10.
(W. A. Heurtley and R. W. Hutchinson, B.S.A. Vol. XXVII, 1925 - 1926, Fig. 24).

XXXV Conical/Pyramidal Bronze Age Loomweights.

- a. Macedonian loomweights.
(Léon Rey, B.C.H. Vol. XLI - XLIII, 1917 - 1919, Pl. XXXVIII).
- b. Thessalian weight.
(C. Tsountas, Δ.Σ., 1908, Fig. 277).

XXXV
cont.

Conical/Pyramidal Bronze Age Loomweights.

- c. Weight from Agnia Irini, sea (undated - Bronze Age), No. K3.725.
- d. Early/Middle Bronze Age weights from Akrha. (L. Dor et al. "Akrha", 1960, Pl. LXII, Nos. 6488 (may not be weight); 6489.

XXXVI Trojan Loomweights.

- a. Troy IIG loomweights found in situ as they fell from the loom - between large pithos and back baulk. (C. Blegen et al. "Troy Vol. I", 1950, Fig. 333)
- b. Troy III side-pierced 'tent-shaped' pyramidal loomweights.
Top row, from left: Nos. 34-536, 34-535, 33-306.
Bottom row, from left: Nos. 33-259, 33-258, 33-262, 33-260.
(C. Blegen et al. "Troy Vol. II", 1951, detail of Fig. 53).
- c. Troy IV tall oblong weights and side-pierced 'tent-shaped' pyramidal loomweights.
Top row, from left: Nos. 36-388, 37-136, 37-285, 36-389.
Bottom row, from left: Nos. 32-483, 37-87, 32-485, 32-484.
(C. Blegen et al. "Troy Vol II", 1951, detail of Fig. 150).

XXXVII Loomweights etc. from Tarsus, Troy, malik.

- a. Loomweights from Tarsus.
 - 1). E. B. I conical weight.
 - 2a, b). E. B. II conical weights.
 - 3). E. B. II rectangular or very truncated pyramidal weight.
 - 4a). E. B. II truncated pyramidal weight.
 - 4c). E. B. II flattened conical weight.
 - 6). E. B. III rectangular or very truncated pyramidal weight.
 - 8). Middle Bronze Age flat oval weight.
 - 10). E. B. I flat oval weight

XXXVII Loomweights etc. from Tarsus, Troy, Salique.
cont.

a. Loomweights from Tarsus cont.

11). L. B. I banana or crescent weight.

12). L. B. I crescent or horned weight.

14). L. B. II conical weight.

(H. Goldman "Tarsus Vol. II", 1966, Pl. 441).

b. Flat oval and side-pierced 'tent-shaped' pyramidal weights from Troy (Schliemann's excavations).
(H. Schliemann "Ilios", 1880, Woodcuts nos. 1202, 1203).

c. Clay objects from Salique, Albania, including clay 'anchor', cylindrical loomweights and crescent or horned weights.
(Frano Prendi, *Studia Albanica* Vol. 1, 1966, Pl. 111f).

XXXVIII Flat Oval and Discoid Weights from Aghia Irini, Aphrodisias, Troy VI.

a. Flat oval weights of Anatolian type from Aghia Irini, Kea (all from one set).
Top row, from left: nos. K9.79, K9.80, K9.84, K9.95, K9.22, K9.136, K9.142.
Bottom row, from left: nos. K9.78, K9.74, K9.73, K9.72, K9.71, K9.70, K9.23.

b. Flat oval weights from Aphrodisias.
(Barbara Nadish, *A.J.A.* 1971, Pl. 30, no. 36).

c. Flat discoid weights with grooved tops of Minoan type, from Troy VI.
Top row, from left: Nos. 37-461, 34-38, 34-87, 34-178.
Centre, from left: nos. 36-101, 36-100.
Bottom row, from left: nos. 36-273, 36-134, 34-177.
(C. Blegen et al. "Troy Vol III", 1953, detail of Fig. 305).

XXXIX Clay 'Anchors'.

a, b. Anchor from Kastros (Topolia Maghoula), showing wear marks.

c. Above anchor, threaded up in accordance with wear marks.
(The anchor is in the collection of the British School of Archaeology, Athens).

d. Anchor from Kirrha (in Delphi museum).
(L. Dor et al. "Kirrha", 1960, Pl. LXII, no. 26).

XXXIX
cont.

Clay Anchors.

- e. Early Bronze Age anchors from Servia.
Top row, from left: nos. 32, 348.
Bottom row, from left: nos. 290, 60
- f. Middle Helladic anchors from Michoria.
From left: Nos. M201, M202.

XL

Spindle Whorls and Loomweights from Early Minoan Myrtos.

- a. Spindle whorls, from left: nos. 156, 157, 151.
- b. Spindle whorls.
Top row: from Rooms 81, 90.
Bottom row, from left: Nos. 156, 149, 150.
- c. Stone discs, spindle whorl, loomweights.
Top row, from left: stone disc No. 163, spindle whorl No. 26, stone disc No. 161.
Bottom row, from left: flat discoid loomweights, Nos. 77, 7, 78.
- d. Loomweights.
From left: two-hole discoid loomweights Nos. 80 (note string wear in holes), 75; spheroid loomweight No. 82.
(Peter Warren "Myrtos", 1972.
 - a. Pl. 78A
 - b. Pl. 77F
 - c. Pl. 73E
 - d. Pl. 74A, B.).

XLI

Minoan-type Flat Discoid Loomweights from Aghia Irini, Phylakopi.

- a. Incised set of flat discoid weights from Aghia Irini, Kea, Nos. KB.320 - KB.331.
- b. Variety of types of flat discoid weights from Aghia Irini.
Back row, from left: K1.177, K1.192, K1.7, K1.200, K1.201, K1.87.
Front row, from left: K1.34, K1.195, K1.161, K1.162, K1.187.
- c. Set (?) of unstratified weights from Phylakopi, Melos (in museum at Plaka, Melos).

XLII

Minoan Loomweights.

- a. M. M. IIB single-hole flat discoid weights from the Loomweight Basement, Knossos.

XLII
cont.

Minoan Loomweights.

- b. L. M. I - III two-hole flat discoid weights from Palaikastro.
Left: No. PK 67/33. Right: No. PK 63/94.
- c. L. M. II plain spherical weights from the Unexplored Mansion, Knossos.
- d. L. M. II grooved spherical weights from the Unexplored Mansion, Knossos.
- e. L. M. II weights from the Unexplored Mansion, Knossos.
- f. L. M. II cylindrical weights from the Unexplored Mansion, Knossos.

XLIII

Minoan Loomweights and Clay Spools.

- a. L. M. II drum-shaped serpentine weights from the Unexplored Mansion, Knossos.
- b. Four-hole cuboid weights from Palaikastro.
From left: Nos. PK 63/69, PK 63/70, PK 63/113, PK 63/66.
- c. L. M. I - IIIc clay spools from Palaikastro.
Back row, from left: Nos. PK 63/77 (L. M. I - III); PK 63/125; PK 63/147 (L. M. IIIc); PK 63/109 (L. M. IIIc).
Front: No. PK 63/96 (probably L. M. IIIc).

XLIV

Minoan Anthropomorphic Vases and Frescoes showing Cloth Patterns.

- a. Anthropomorphic vase from Koumasa - linked lozenges and vertical lines with diagonal 'fringes'.
(Christian Zervos "L'Art de la Crète", 1956, Pl. 222).
- b. Anthropomorphic vase from Mallia - zig-zag braid, linked Ss and Zs, barred flounces.
(Christian Zervos "L'Art de la Crète", 1956, Pl. 116).
- c. Anthropomorphic vase from Mochlos - zig-zags, linked arcs and double spirals.
(Richard B. Seager "Explorations in the Island of Mochlos", 1912, Fig. 34).
- d. The Ladies in Blue from Knossos - scalloped scale pattern, spiral and zig-zag braids.
(P.M. I, Fig. 397).

XLV

Minoan Figurines and Frescoes showing Cloth Patterns.

- a. Snake Goddess from Temple Repositories, Knossos - multiple double spiral and diamond pattern, linked double spiral, and linked lozenges or diamonds.
(P.M. I, Frontispiece; inset, Fig. 359, detail).
- b. Snake Goddess's Votary with the leopard cap, Knossos - horizontal and diagonal lines, diamond net pattern with bars, barred flounces on skirt.
(Leonard von Matt "Ancient Crete", 1967, plate on p. 69).
- c. Captain of the Blacks fresco, Knossos - plain cloth, barred braid.
(P.M. II(2), Colour Pl. XIII).
- d. Cupbearer fresco, Knossos - interlocking cruciform pattern decorated with dotted rosettes, 'adder mark' and plain braid or border.
(P.M. II (2), Fig. 452).

XLVI

Egyptian Wall Paintings showing Keftiu in Patterned Kilts, and 'Offerings' of Cloth.

- a. Keftiu tributaries from Rekhmire's tomb.
(P.M. II (2), Fig. 473).
- b. c. Keftiu tributaries from the tomb of Menkheperresonb.
(N. and N. de Garis Davies "The Tombs of Menkheperresonb, Amenmose and Another", 1933, Pls. IV, V).

XLVII

Minoan Frescoes showing Cloth and Braid.

- a. The Palanquin fresco, Knossos - plain white cloth, plain black braid.
(P.M. II (2), Fig. 502).
- b. The Campstool fresco, Knossos - striped, or plain folded or creased plain blue, yellow and white cloth, barred and plain braid.
(P.M. IV (2), Colour Pl. XXXIA).
- c. The Aghia Triadha sarcophagus - plain red, white and blue cloth, barred, striped and plain braid.
(P.M. I, Fig. 317).

XLVIII Scodelletta Whorls in Greece.

- a. Scodelletta and other incised biconical whorls, from Middle Helladic Eutresis. (H. Goldman "Excavations at Eutresis in Boeotia", 1931, Pl. XIX).
- b. Two scodelletta whorls (left and right), and another incised whorl (centre) from Kirrha (in Delphi museum).
- c. A scodelletta whorl from Early Helladic Lerna, No. 4.326. (J. L. Caskey, Hesperia Vol. XXIV, 1955, Pl. 22 1).

XLIX Scodelletta Whorls from beyond Greece.

- a. Scodelletta whorls from Anau III in Russian Turkestan. (H. Schmidt in R. Pumpelly "Excavations in Turkestan - Vol. I", 1908, detail of Pl. 44).
- b. Scodelletta whorls from Alishar. (E. F. Schmidt "The Alishar Höyük - Seasons of 1928 and 1929", 1932, Figs. 262, 263).
- c. Scodelletta and other incised whorls from the Terremare culture, Italy. (Gösta Sjöflund "Le Terremare", 1939, Pl. 42).

L Middle Helladic Reels and Modern Διάστες or Warping-frames.

- a. Pierced clay reels of Middle Helladic type, from Aghia Irini, Kea. From left: Nos. K3.322, K4.393, K7.52.
- b. Διάστες or warping-frame using similar wooden reels, at the Convent of the Good Sisters, Kalamata.
- c. Detail of above.

LI Διάστες or Warping-frames in Greece today.

- a. (By courtesy of the National Handicrafts Organization of Greece).
- b. (Copyright: B. Isaias, Evpolidhos 12, Athens).

LII Bone Pin, Middle Helladic Cloth.

- a. Bone pin used to fasten woollen homespun.
(Pin: Cat. No. M 57 in the collection of the British School of Archaeology, Athens.
Cloth: that being woven on the warp-weighted loom in Pl. VIIIa).
- b. Cloth from Tomb Alpha, Grave Circle B, Mycenae.
- c. Cloth from Tomb Beta, Grave Circle B, Mycenae.
(George E. Mylonas "Ο ΤΑΦΙΚΟΣ ΚΥΚΛΟΣ Β' ΤΩΝ ΜΥΚΗΝΩΝ", 1972: b. Pl. 20_β; c. Pl. 25).

LIII Mycenaean Spindle Whorls.

- a. Whorls from the vicinity of Tomb Omikron, Grave Circle B, Mycenae.
(George E. Mylonas "Ο ΤΑΦΙΚΟΣ ΚΥΚΛΟΣ Β' ΤΩΝ ΜΥΚΗΝΩΝ", 1972, Pl. 189).
- b. L. H. IIb/IIIa:1 whorls from the Menelaion.
From left: Nos. SM 76, SM 169, SM 107.

LIV Mycenaean Spindle Whorls and Steatite 'Whorls' from Nichoria.

- a. Biconical No. N174 (L. H. IIIa:2 - late)
- b. Hollow-topped biconical No. N3 (L. H. IIIa:1 - 2, some M. H., L. H. II).
- c. Tall truncated conical No. N184 (L. H. I - L. H. IIIa:2).
- d. Concave-sided conical No. N556 (L. H. IIIa - b)
- e. Steatite whorls.
From left: Nos. N685, N447, N613, N523.

LV Mycenaean Flat Loomweights.

- a. Set (?) from Nichoria (L. H. II - IIIa:1).
From left: Nos. N5, N7, N4, N78, N10, N8.
- b, c. Weights from the Palace of Nestor at Ano Englianos (Pylos)(in Chora museum)(L. H. I - II, L. H. IIb).
(Carl Blegen "The Palace of Nestor" Vol. I, 1966, Fig. 305, No. 1; Vol. III, 1973, Fig. 105, No. 4).

LVI

Mycenaeen Flat Loomweights, and Bar Weights.

- a. Flat weight No. N14 from Nichoria (L. H. Ila - b, mostly IIB context).
- b. Flat weight No. N8 from Nichoria (L. H. II - IIIa:1 -(and IIIa:2?)-context).
- c. Flat weight No. N11 from Nichoria (L. H. II - IIIb context).
- d. Kythera bar weights (L. M. Ib; L. H. IIIa:2 - b:1).
(J. N. Coldstream and G. L. Huxley "Kythera", 1972, Pl. 61).
- e. Pylos bar weights (L. H. IIIb).
(Carl Blegen "The Palace of Nestor" Vol. I, 1966, Fig. 321).

LVII

Frescoes and Figurines showing Mycenaeen Cloth Patterns.

- a. Frauenfries, Thebes - horseshoe patterned and plain cloth, zig-zag and barred braids, and braid with rounded meander pattern decorated with dotted rosettes.
(Helga Reusch "Die Zeichnerische Rekonstruktion des Frauenfrieses im Boötischen Theben", 1956, detail of Pl. 15).
- b. Mourning ladies on a larnax from Tanagra - dotted and horseshoe patterned cloth, diagonally striped (?) or flounced skirts.
(T. G. Spyropoulos, Archaeology Vol. 25, 1972, illustration on p. 208).
- c. Figurine from Mycenae - papyrus plants with scalloped stems.
(Lord William Taylour, I.L.N. 4th Jan., 1969, p. 25, Fig. 1).
- d. Figurine from Mycenae - plain bands in varying widths, double-outlined lozenges or diamonds.
(Lord William Taylour, Antiquity Vol. XLIV, 1970, Pl. XLIIb).

LVIII

Tartans etc.

- a, b. 'Tartan' sacral knots from Grave IV, Schliemann's Grave Circle, Mycenae.
(G. Karo "Die Schachtgräber von Mykenai", 1930, Pls. CLI, CLII).
- c. Modern 'tartan' from Ierapetra, Crete.

LVIII
cont.

Tartans etc.

- d. Narrow, diagonally-woven cloth produced by plaiting or finger-weaving.
(Grace M. Crowfoot, P.E.Q., 1943, Pl. I, No. 4).
- e. Rippled line or zig-zag pattern produced by the extra weft insertion method in modern Greek rug.

LIX

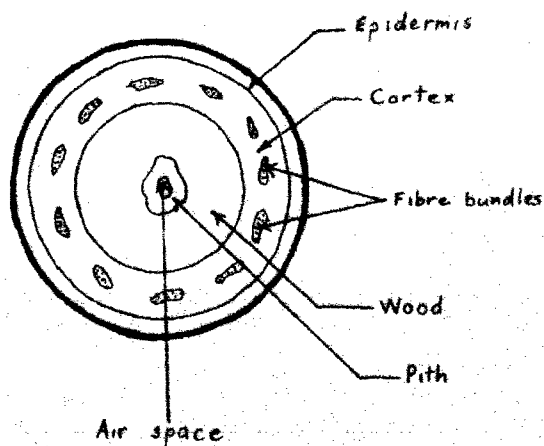
mycenaean Shawl and Cloth Patterns; Shawl Pattern on a Modern Greek Cushion.

- a. Ivory group from Mycenae. Shawl. pompon cloth with fringes. Skirts: scalloped scale pattern; variety of cruciform pattern (?).
(S. Marinatos "Crete and Mycenae", 1960, Pl. 218).
 - b. Pompon cloth with fringes on modern Greek cushion (made by Mrs. Voula Kasselouri, of Foteino, Epirus).
-

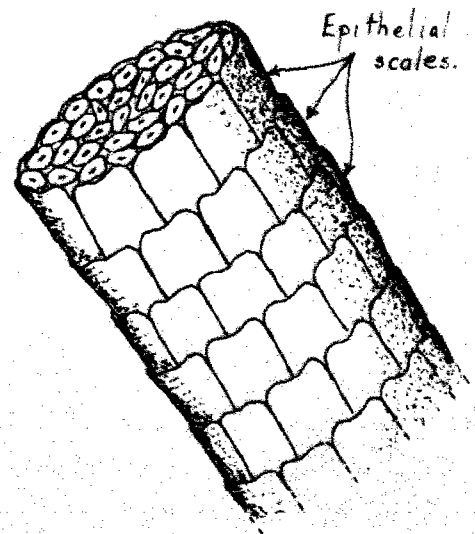
All drawings, and all photographs except where noted, by the author.



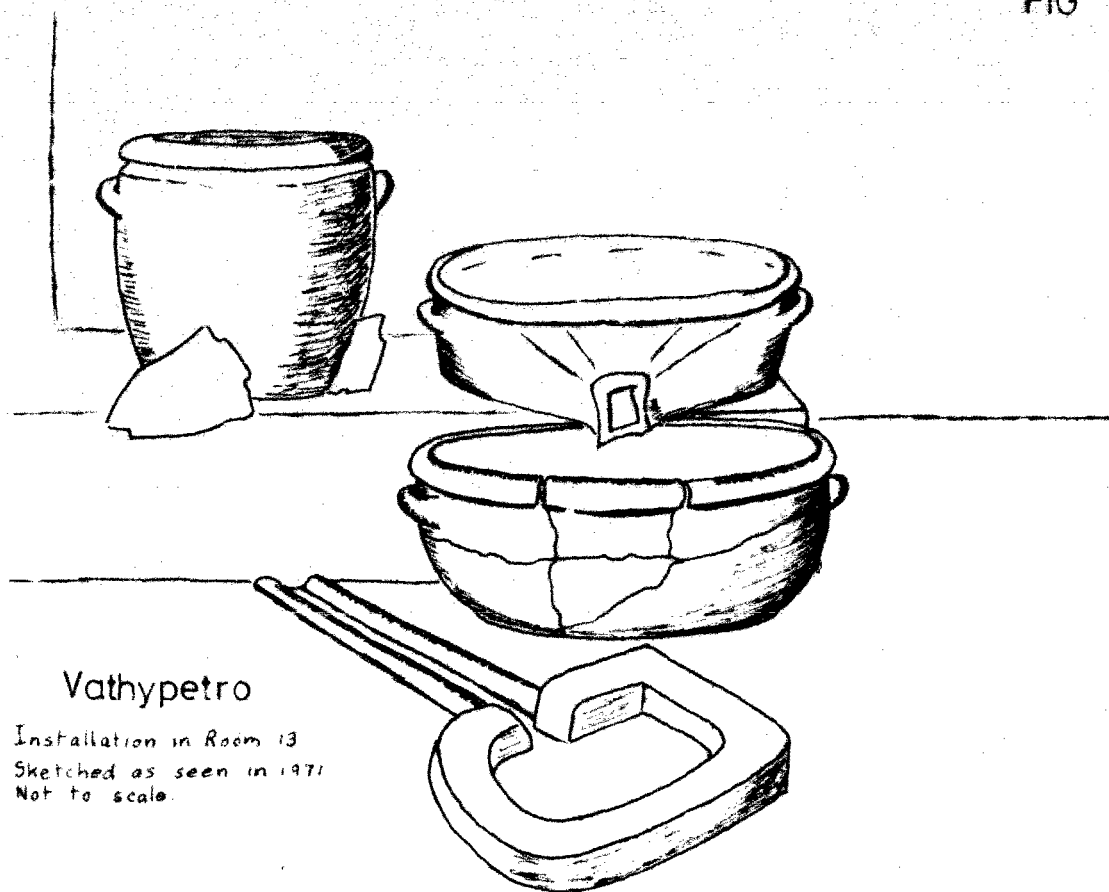
a. Flax Plant (*linum usitatissimum*).
After: Encyclopaedia Britannica
(Eleventh Edition) Vol. X entry under
flax. Fig 1



b. Cross-section of flax stalk.
(Diagrammatic sketch: not to scale.)

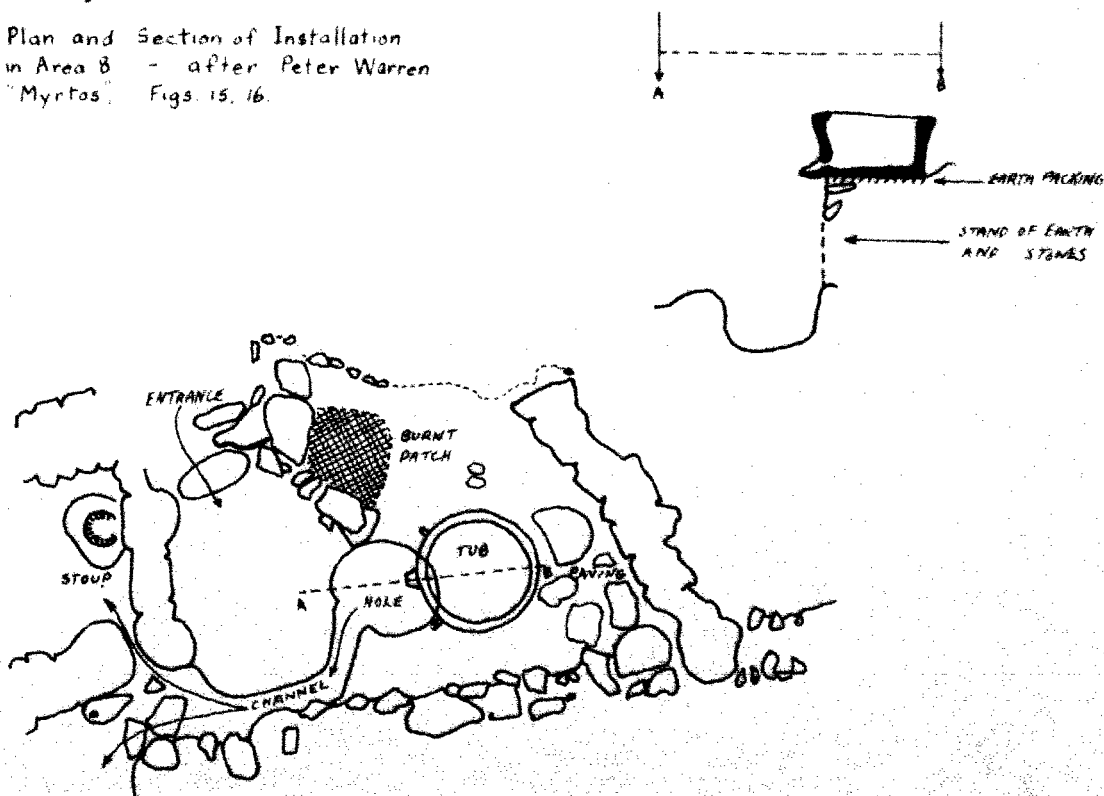


c. Cross-section of wool fibre.
(Diagrammatic sketch: not to scale).



Myrtos

Plan and Section of Installation
 in Area 8 - after Peter Warren
 "Myrtos" Figs. 15, 16.



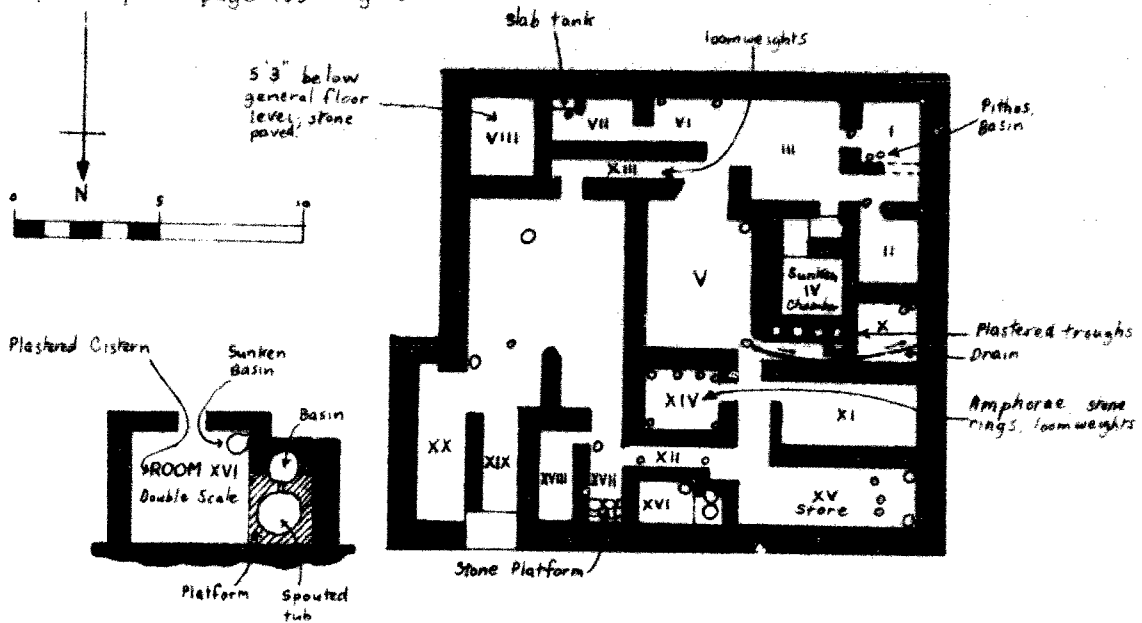
KATO ZAKRO DYEWORKS

?

HOGARTH'S HOUSE I

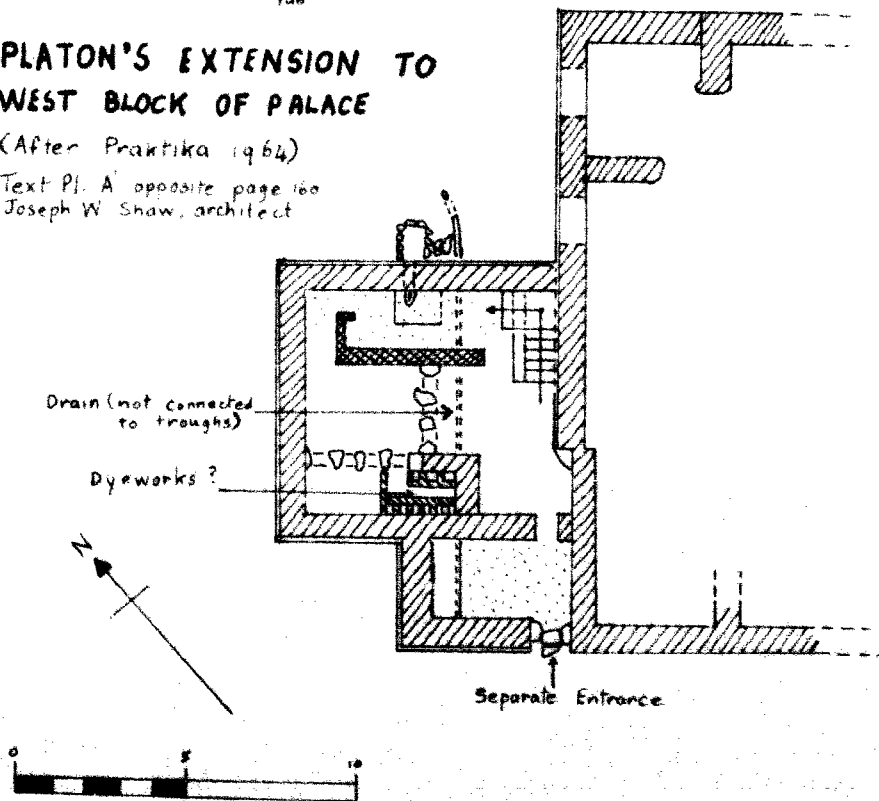
(BLOCK J). (After B.S.A. VII,

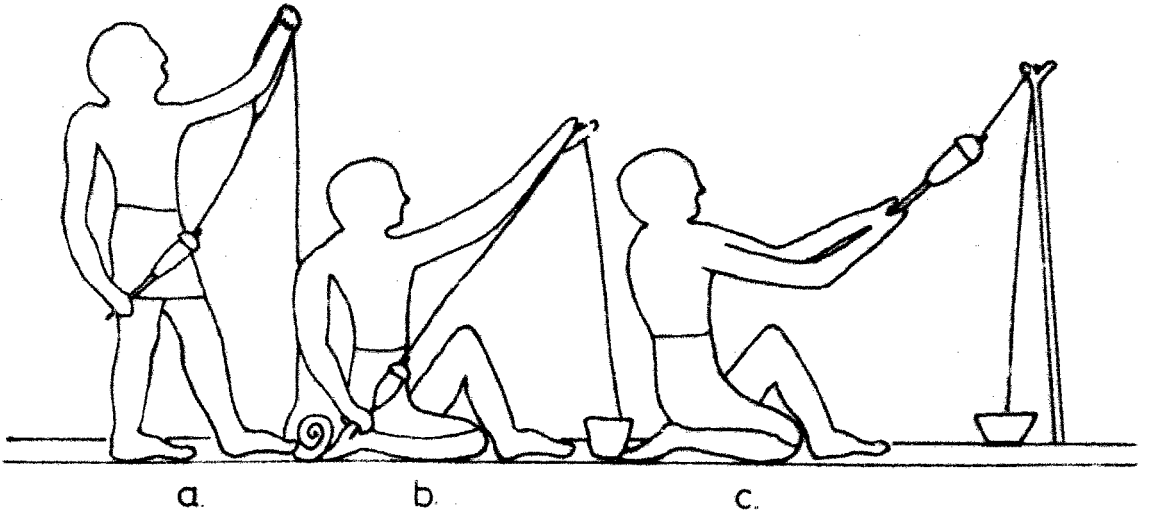
1900-1901) page 138 Fig. C



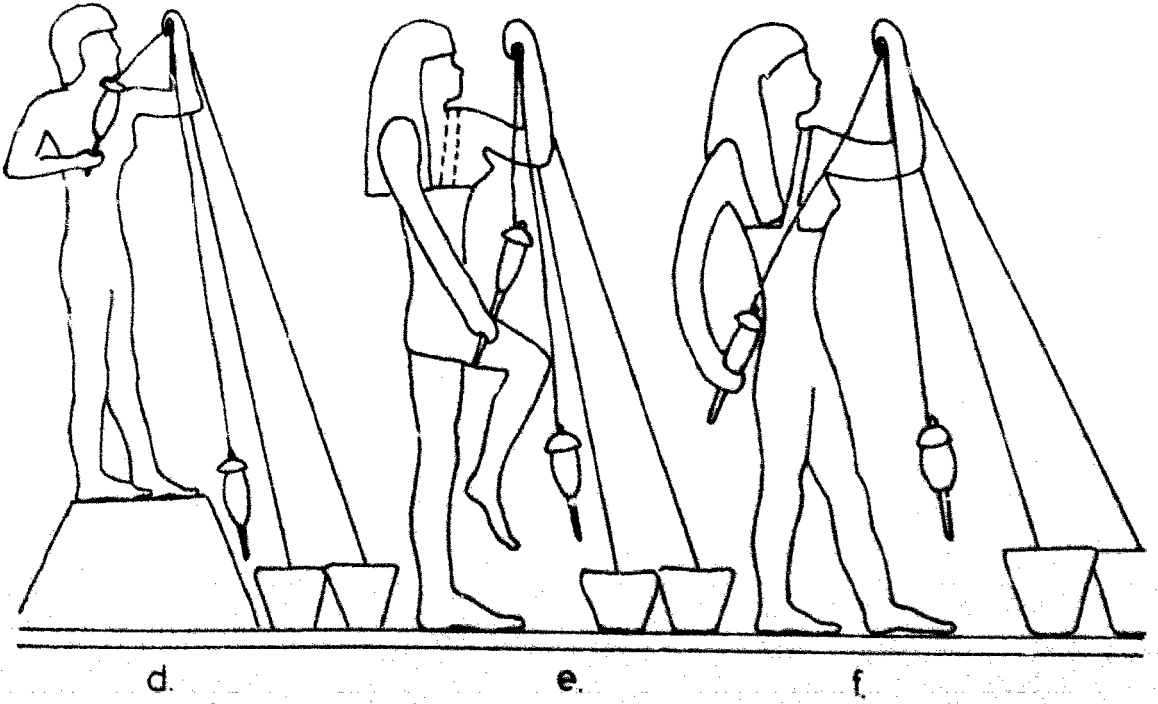
PLATON'S EXTENSION TO WEST BLOCK OF PALACE

(After Prankina 1964)

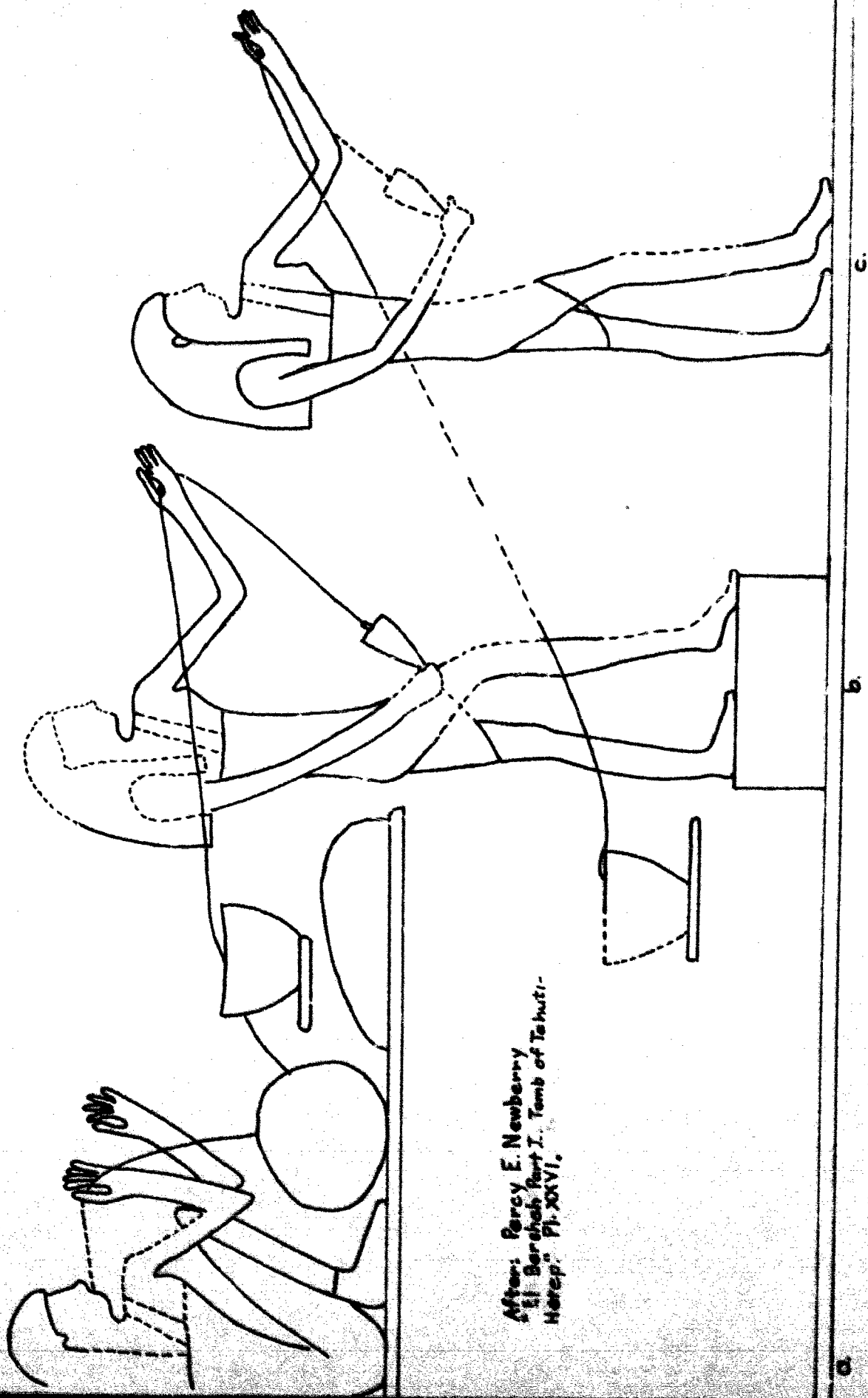
Text Pl. A opposite page 160
Joseph W. Shaw, architect



After: Percy E. Newberry
 "Beni Hasan, Part II" Pl. XIII
 Tomb of Khety



After Percy E. Newberry
 "Beni Hasan, Part II" Pl. IV
 Tomb of Baqet III



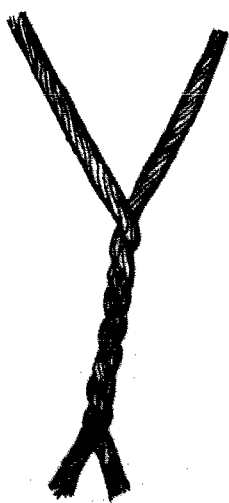
After: Percy E. Newberry
 "The Burial of the Tomb of Tshuti-
 Horep." Pl. XXVI.



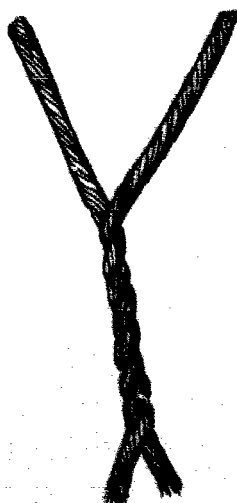
Z - spun



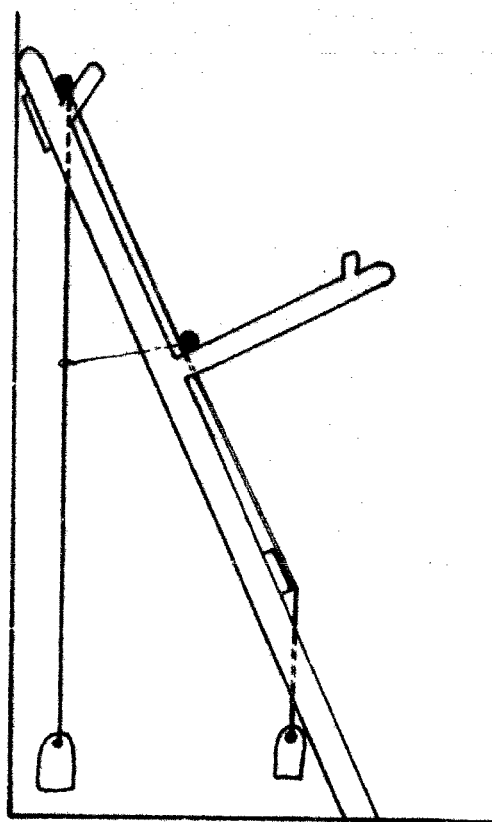
S - spun



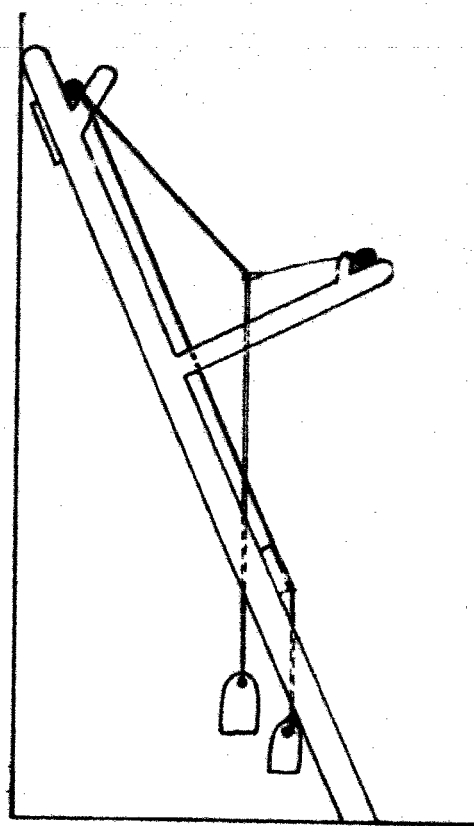
Z-spun ; S-plied.



S-spun ; Z-plied.

Warp-weighted loom.

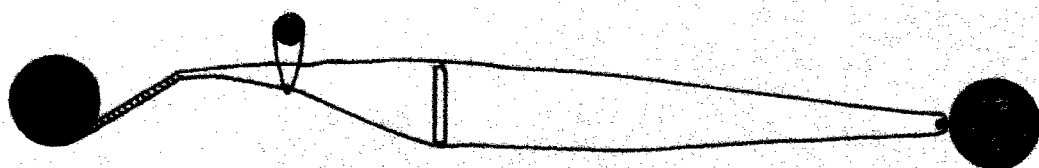
a. Natural Shed.



b. False Shed.

Horizontal ground loom.

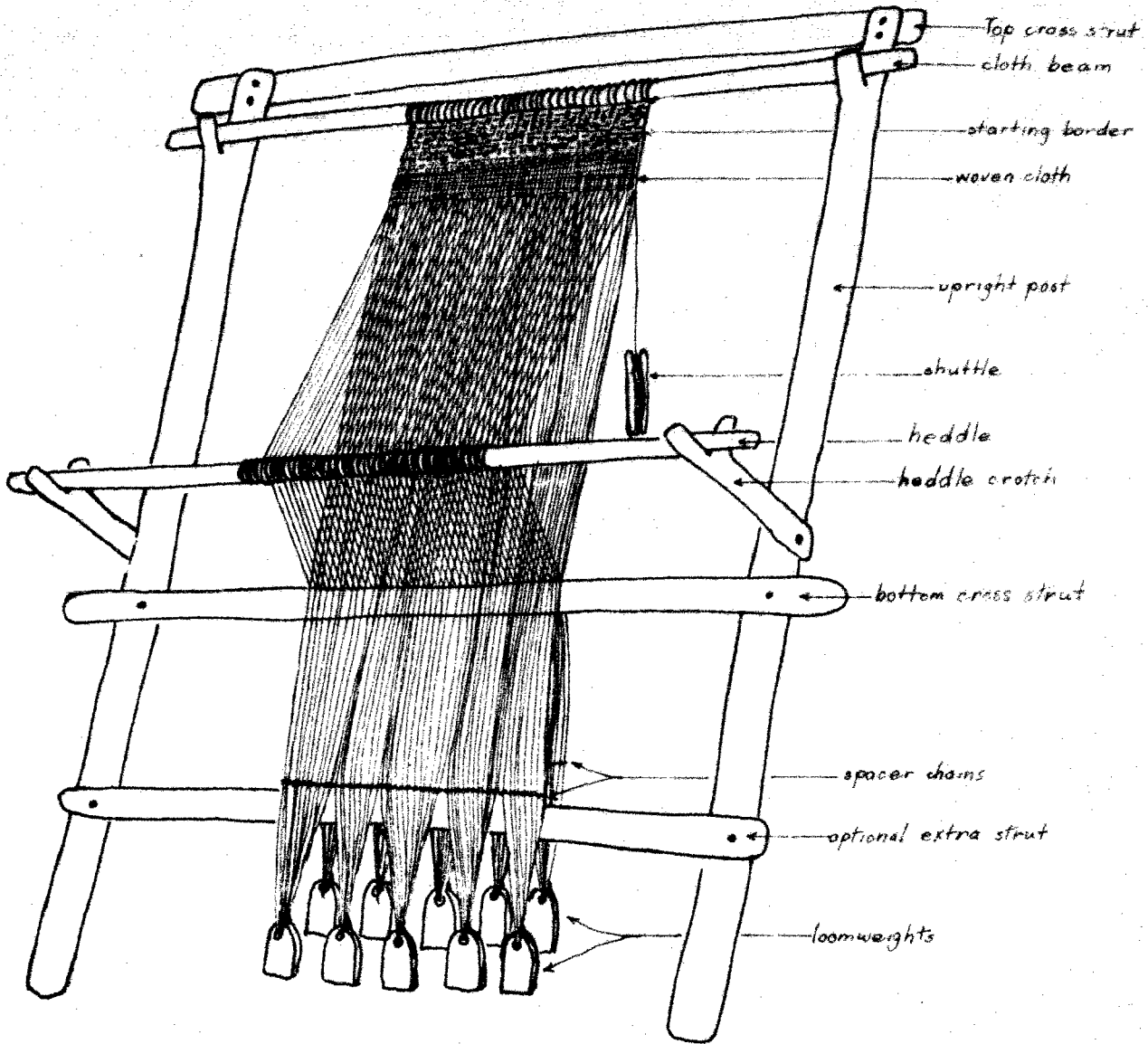
c. First Shed



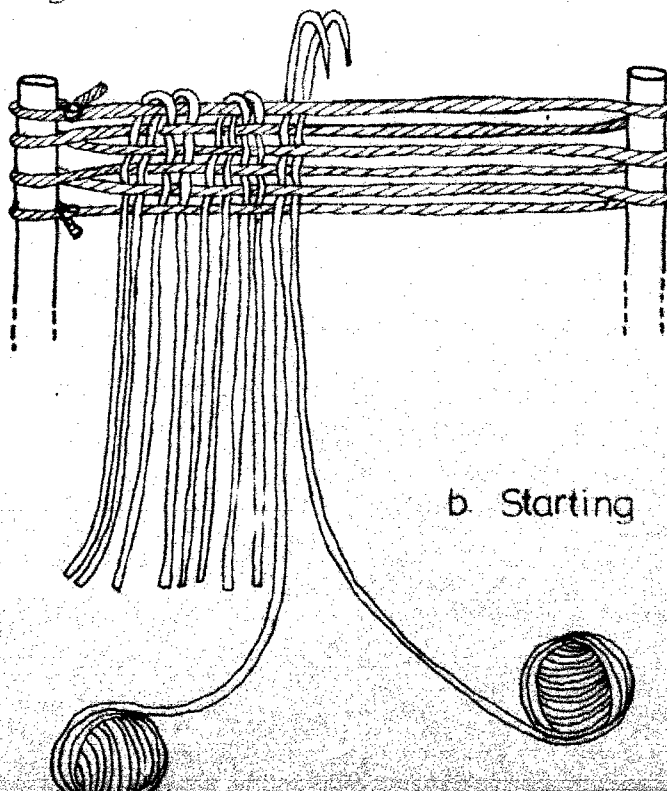
d. Second Shed.

After: Shelagh Weir "Spinning and Weaving in Palestine" p.18, Fig. 2a, b.

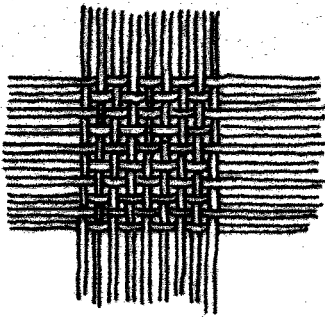
FIG. 8.



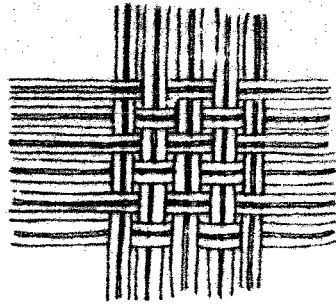
a. Warp-weighted loom.



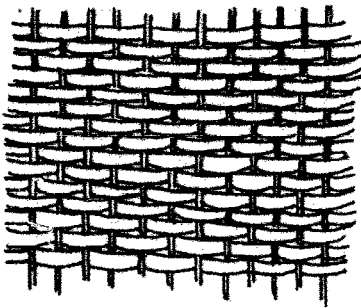
b. Starting border.



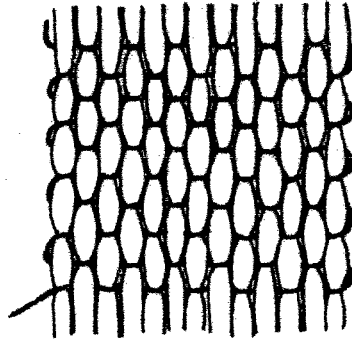
a. linen weave



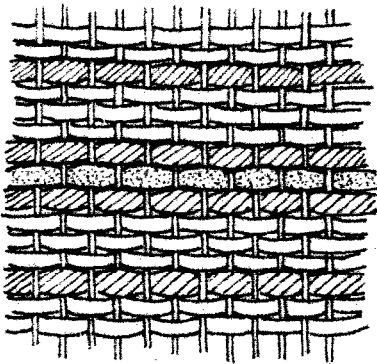
b. canvas weave



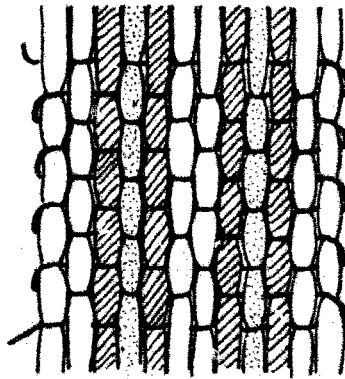
c. weft-faced weave



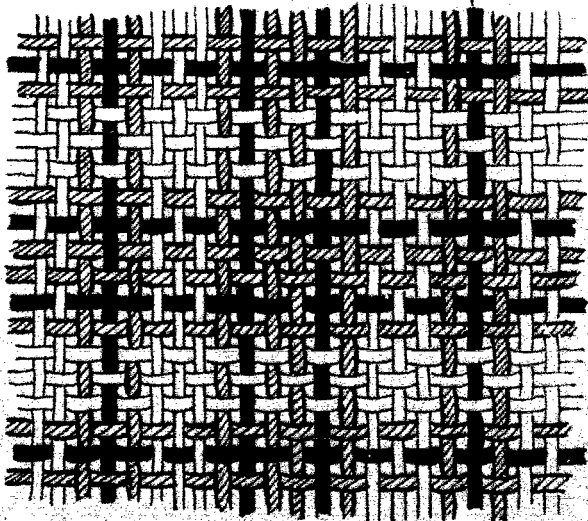
d. warp-faced weave.



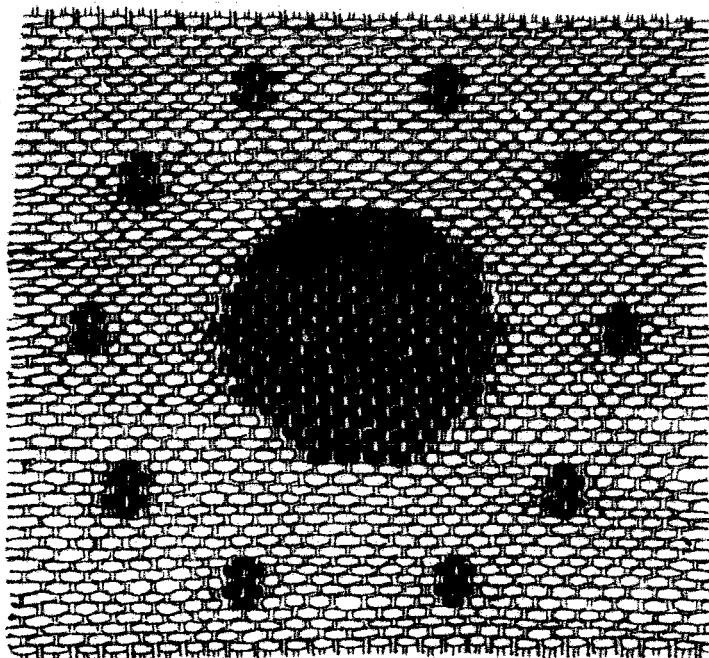
e. bands in weft



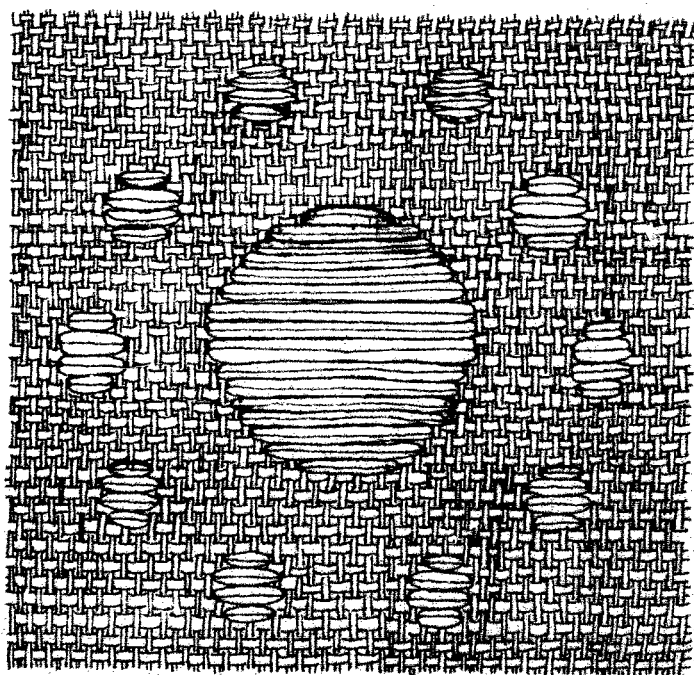
f. stripes in warp.



g. check.



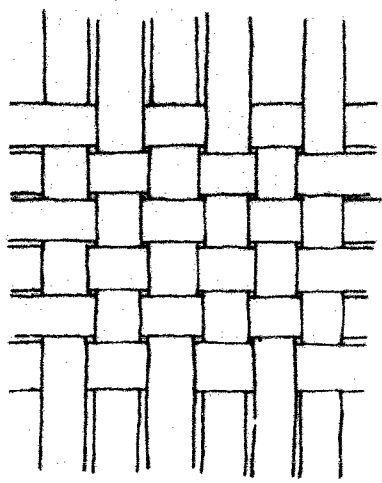
a. Tapestry Weave.



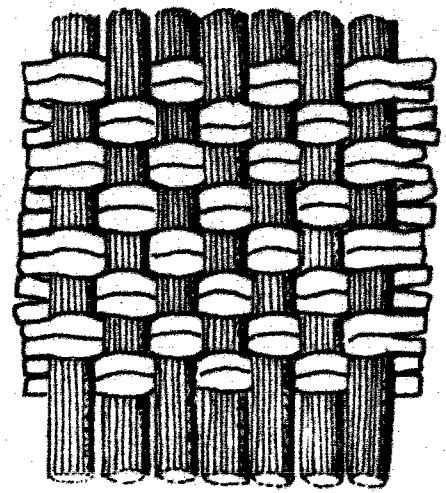
b. Extra Weft Insertion.

Single Strands

Multiple Strands

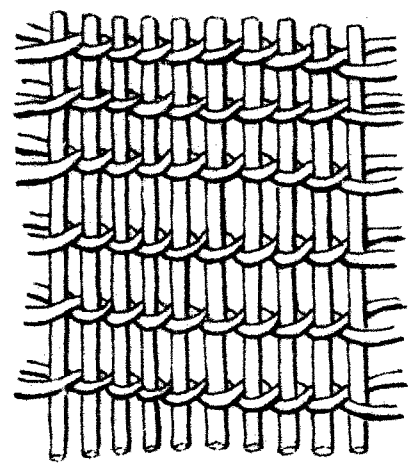


a.

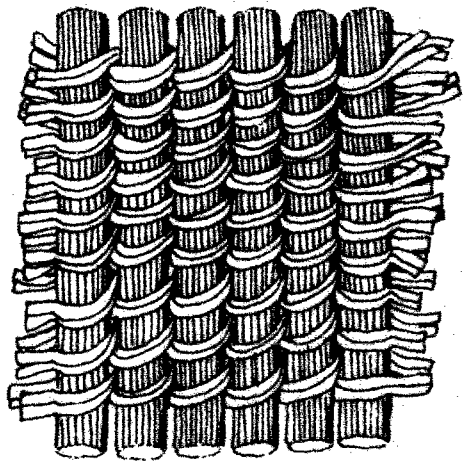


b.

Plain Weaves

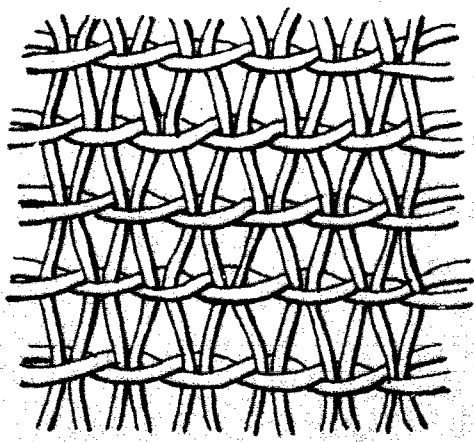


c.

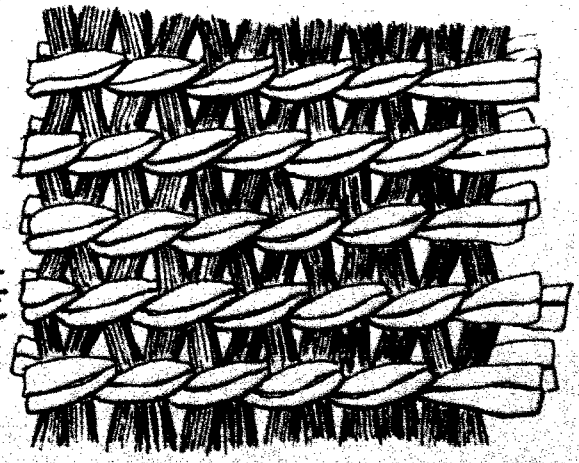


d.

Simple Twine

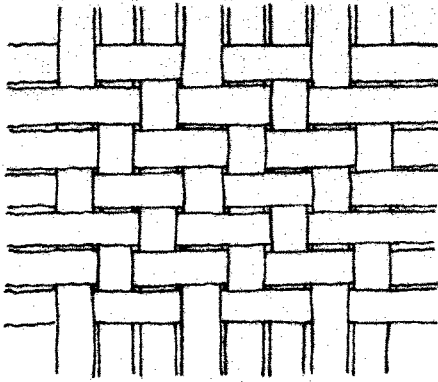


e.

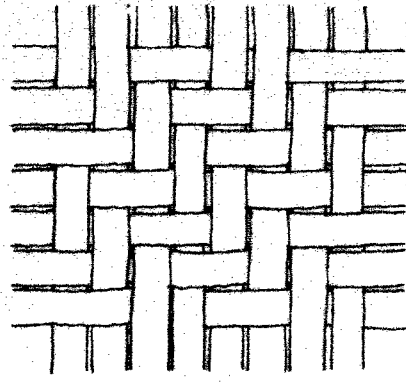


f.

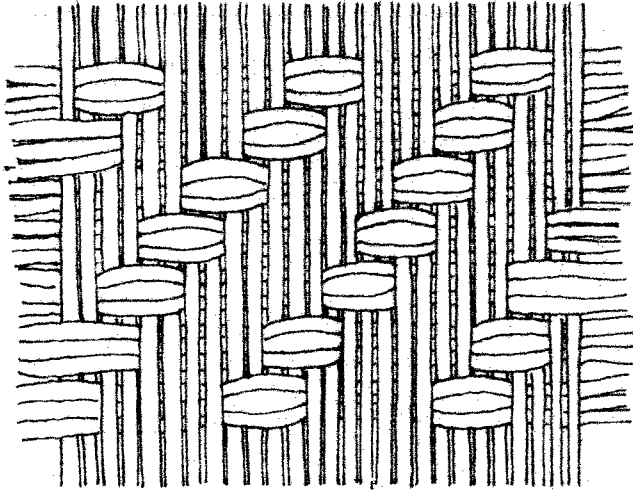
Split Twine



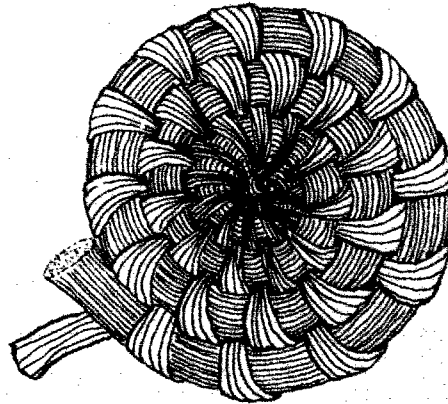
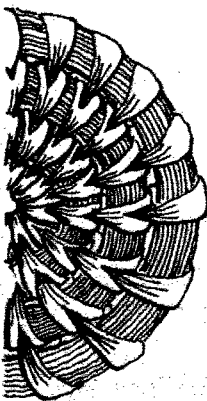
a. 2/1 Twill



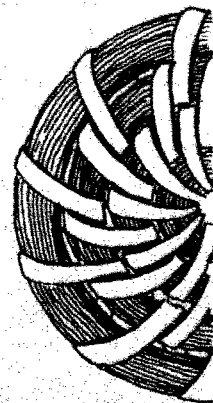
b. 2/2 Twill



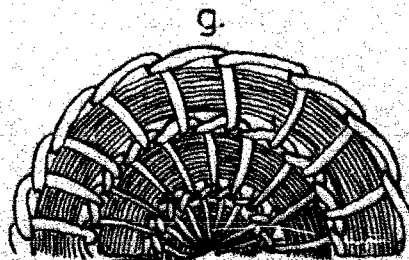
c. 2/3 Twill, Double Warps, Triple Wefts



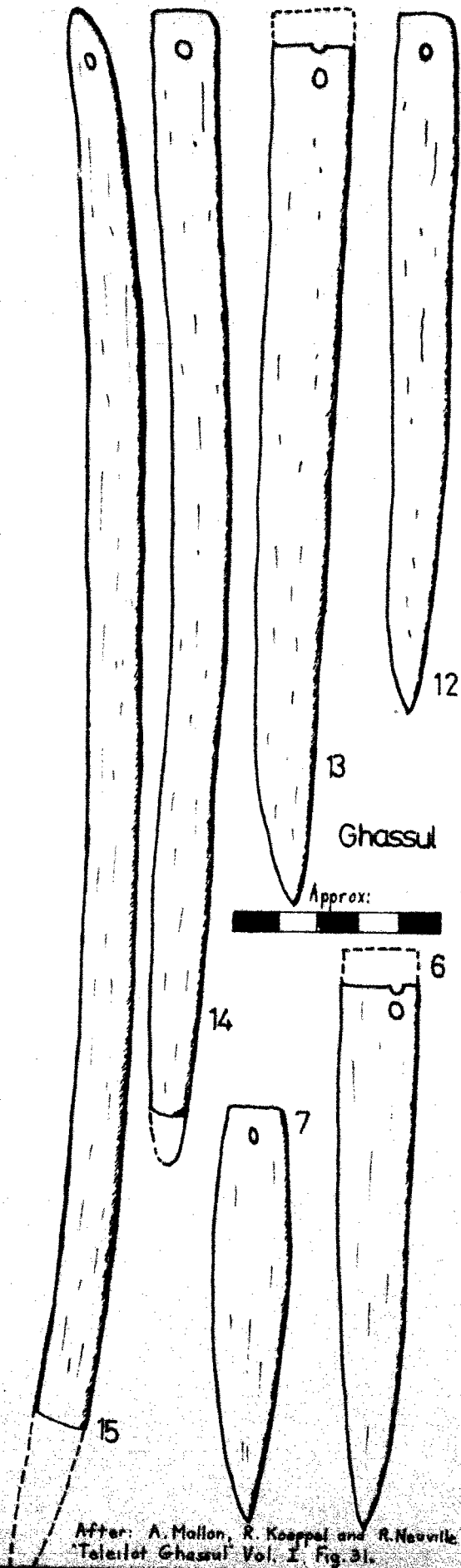
d. Coiled and Wrapped



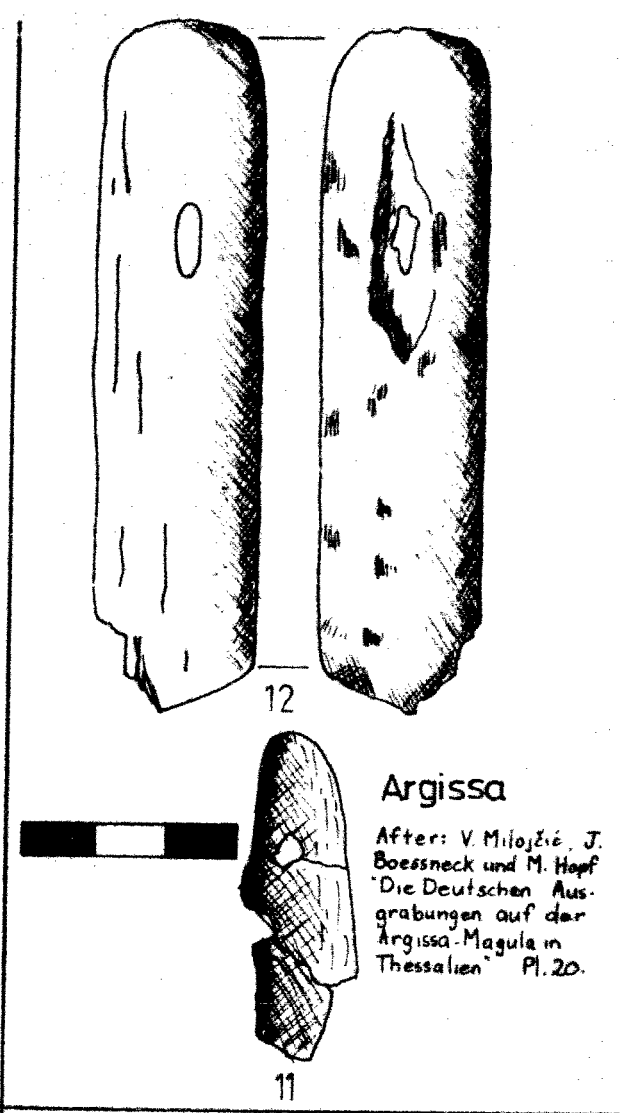
f.



g.

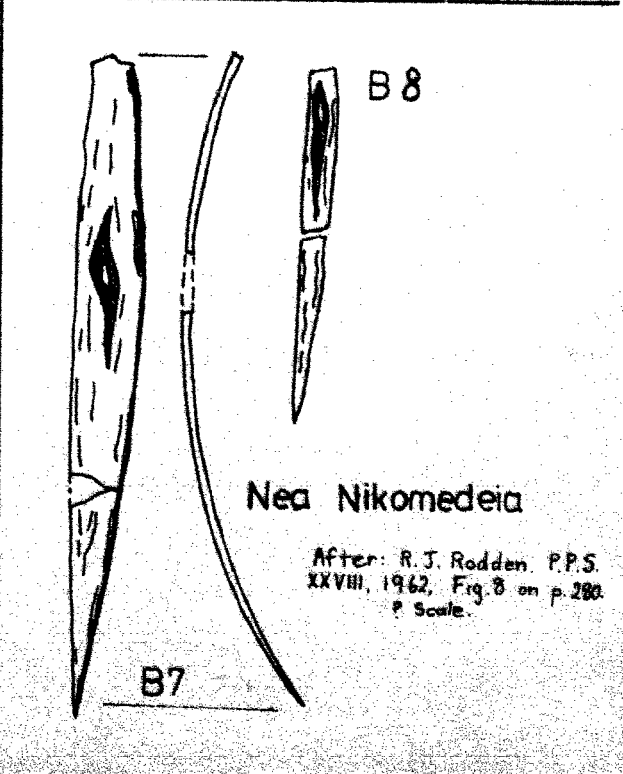


After: A. Mollon, R. Koeppl and R. Neville
"Teleriot Ghassul" Vol. I, Fig. 31.



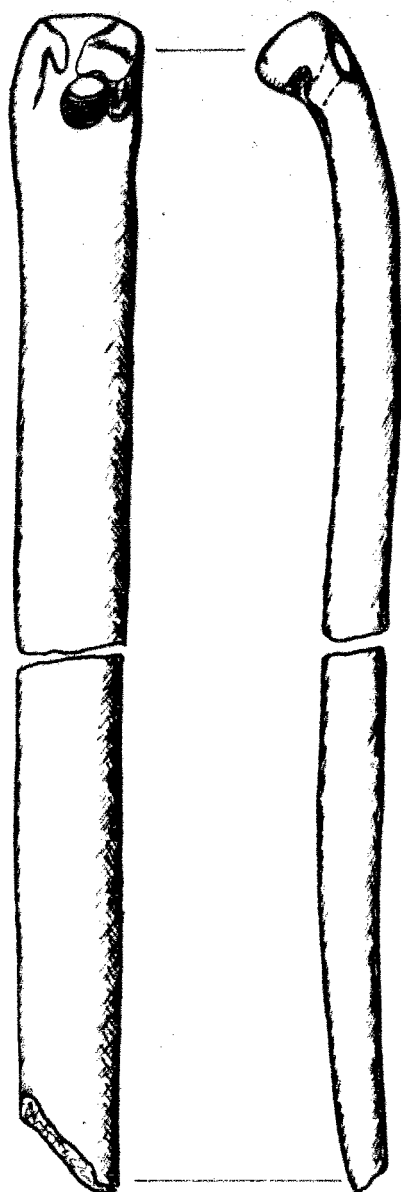
Argissa

After: V. Milojević, J. Boessneck und M. Hopf
"Die Deutschen Ausgrabungen auf der Argissa-Magula in Thessalien" Pl. 20.



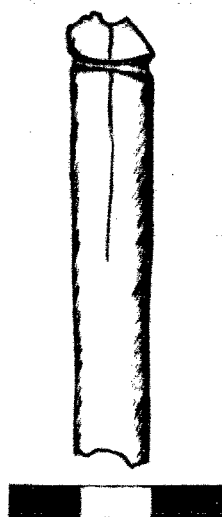
Nea Nikomedeia

After: R. J. Rodden, P.P.S.
XXVIII, 1962, Fig. 8 on p. 280.
P. Scale.



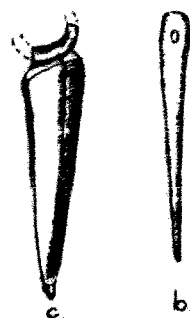
Servia

Cat. No. 378 from recent excavations.



Servia

Cat. No. 328 from recent excavations



Servia

After: W. A. Haurley "Prehistoric Macedonia" Fig. 35 on p. 105.



Choirospilia

After: W. Dörpfeld "Alt-Ithaka", Pl. 82



Tsangli

After: A. B. Wace and M. S. Thompson "Prehistoric Thessaly" - Sketches only, not to scale.



After Fig. 68 n.

After Fig. 929

Middle Neolithic

Servia



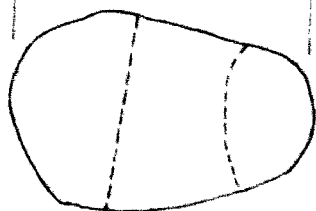
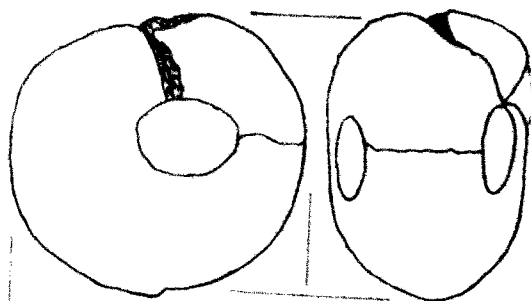
k



l



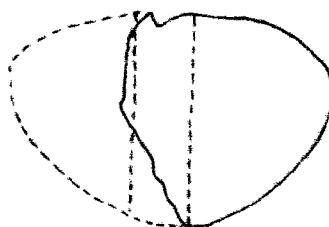
After W.A. Heyrtley "Prehistoric Macedonia"
Fig. 7 p. 139



No 159



From recent excavations



No. 405

Franchthi



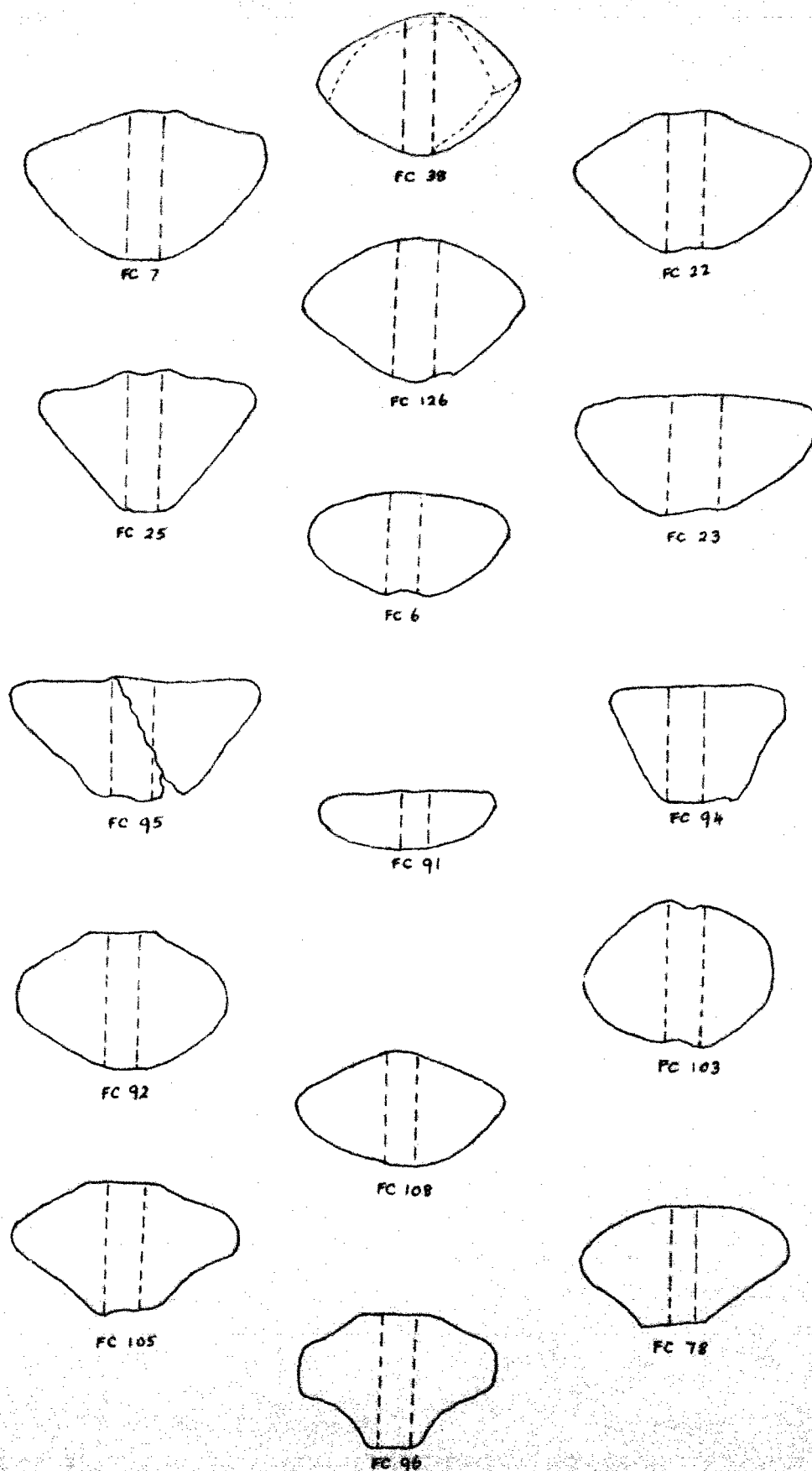
FC 46



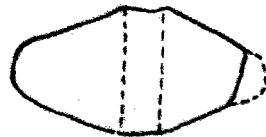
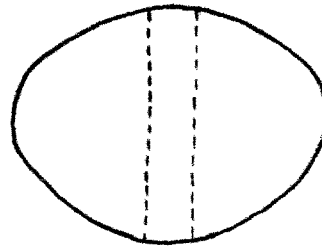
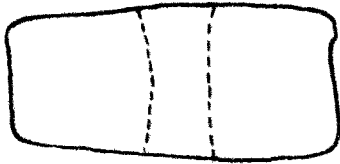
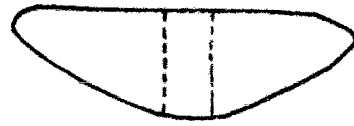
FC 121



Franchthi Late Neolithic

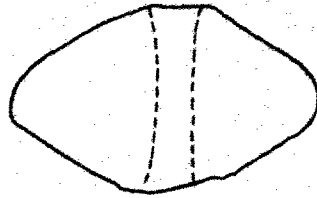
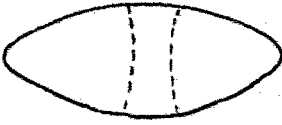
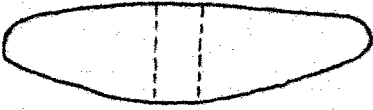


Knossos Neolithic



Stratum III

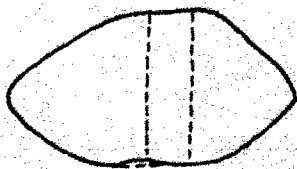
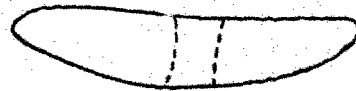
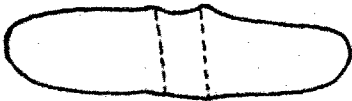
Knossos Neolithic



a.



Stratum II

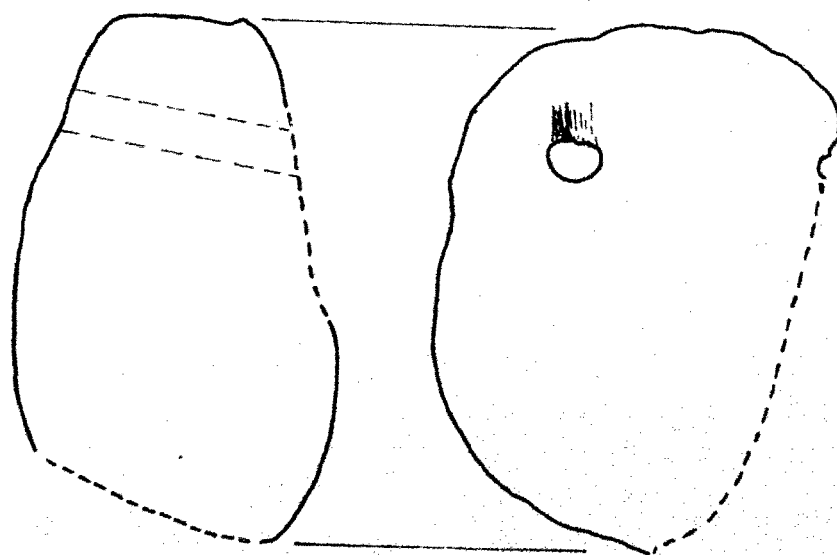
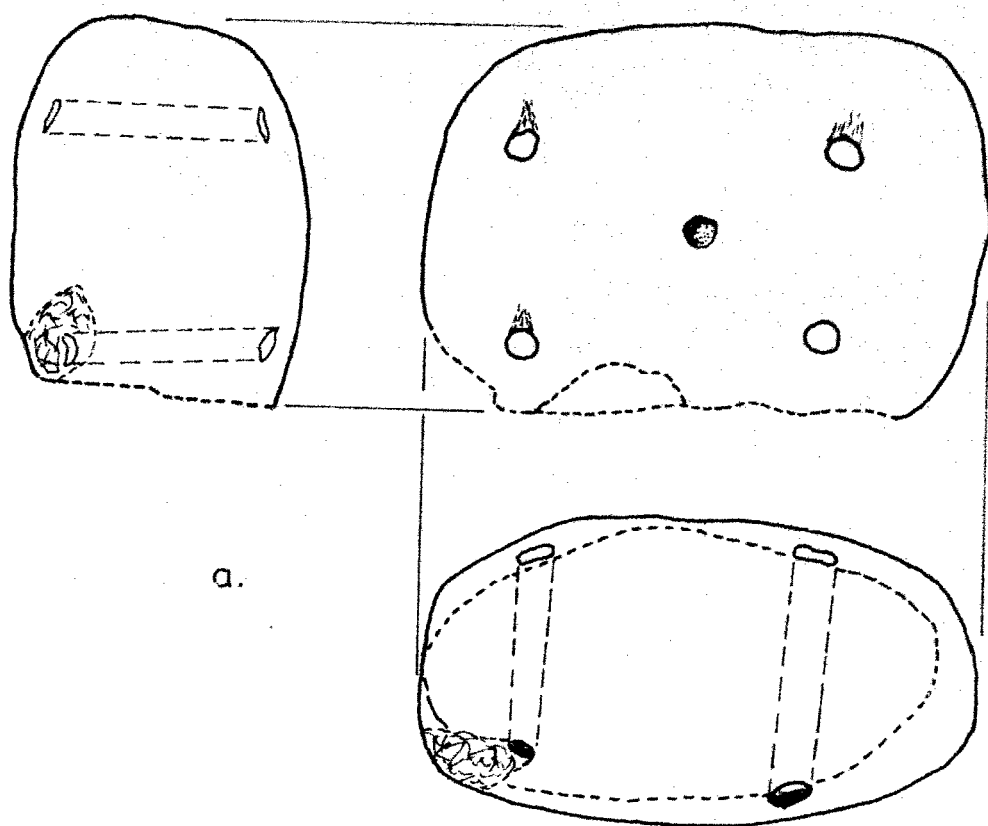


b.



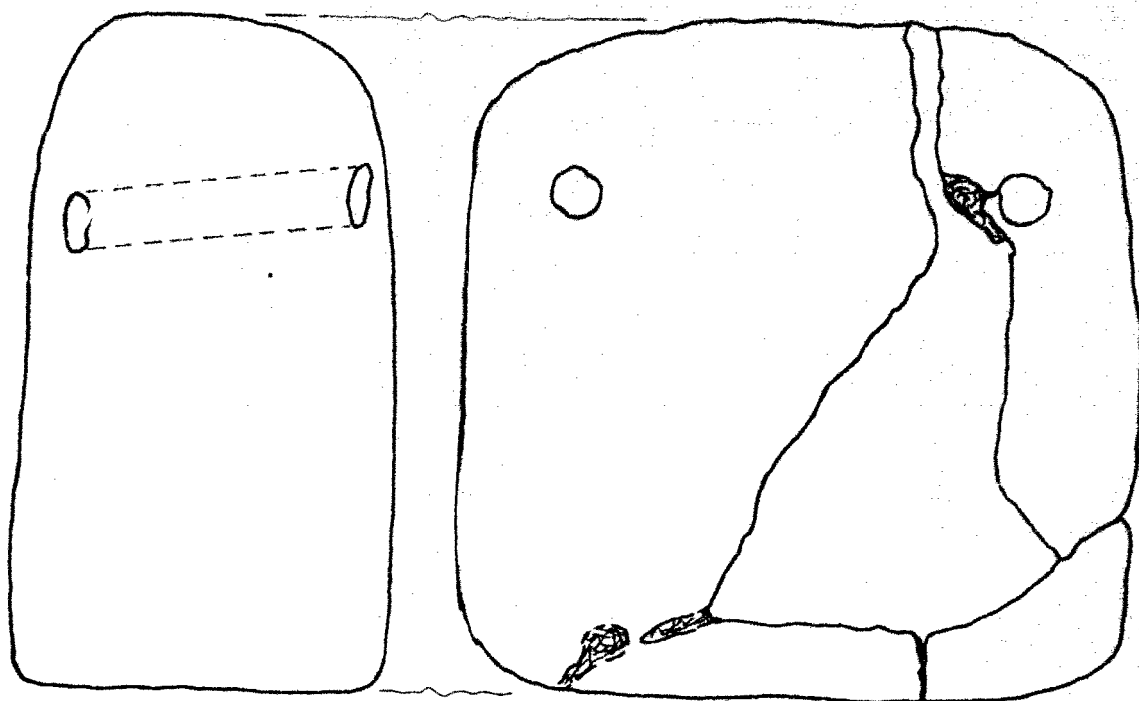
Stratum I

Knossos Middle Neolithic

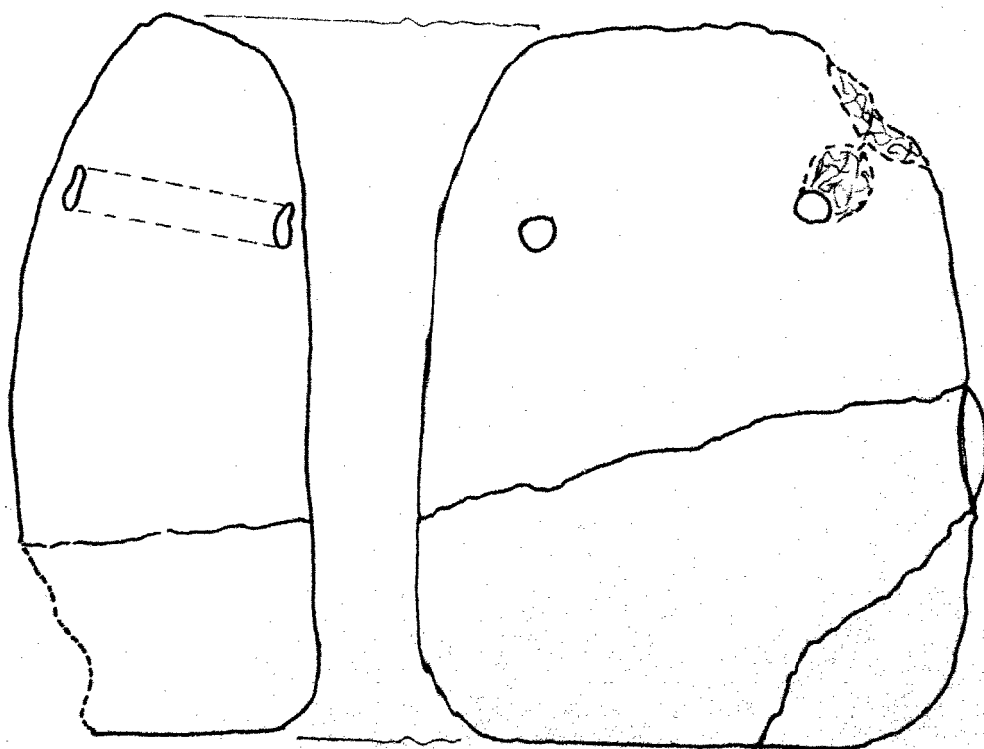


Two weights from set
Cat No. 59/158

Knossos Middle Neolithic



a.

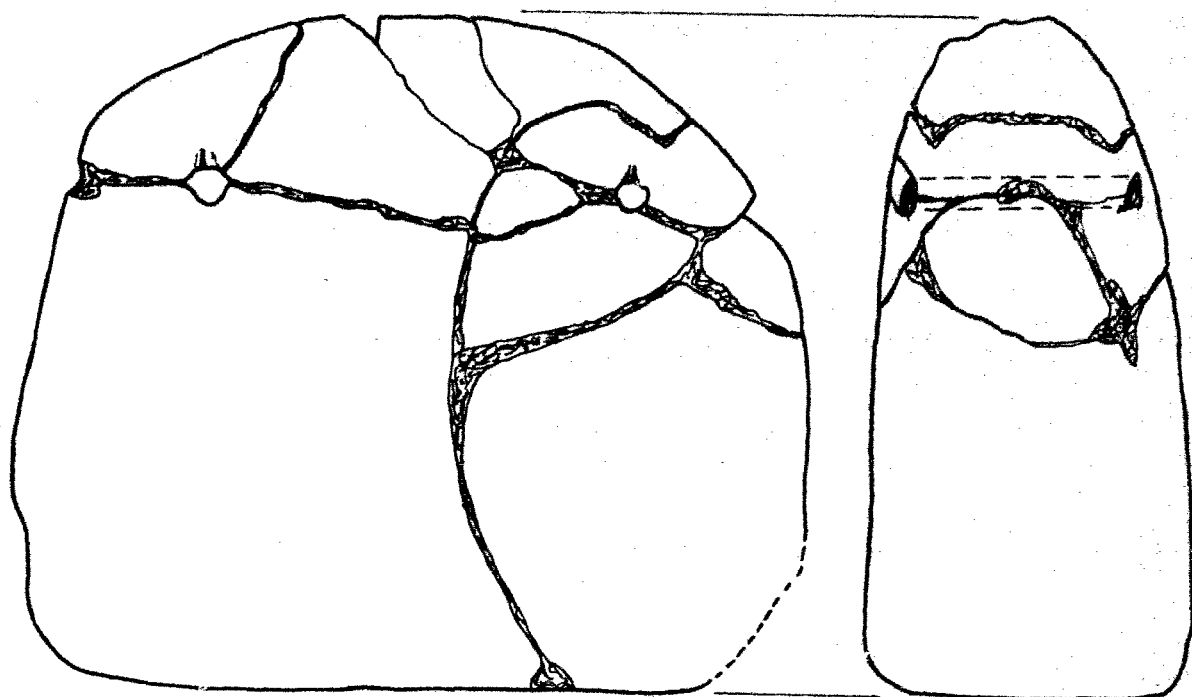


b.

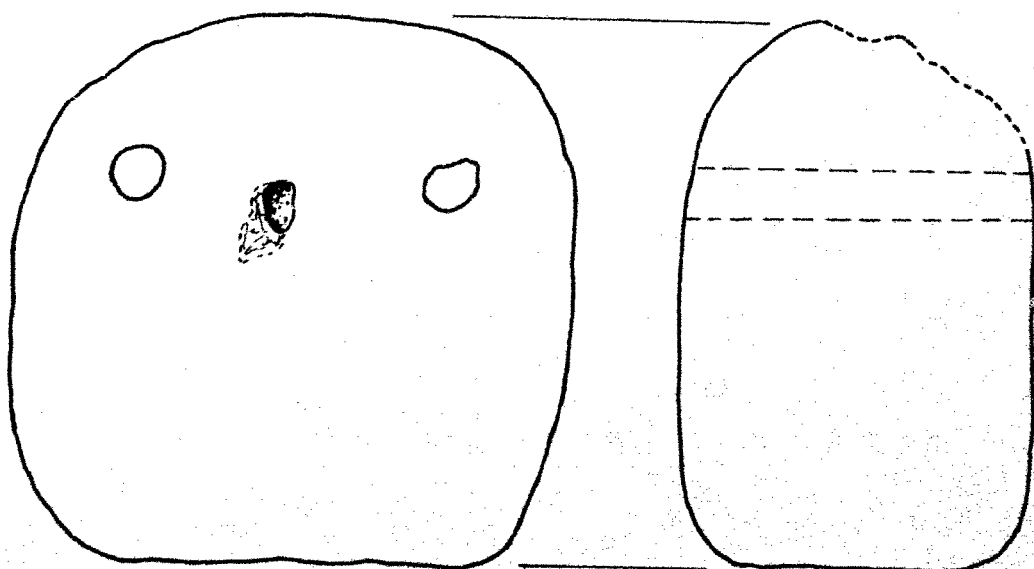


Two weights from set —
N60 F6 + 7 (60/342)

Knossos Middle Neolithic



a.

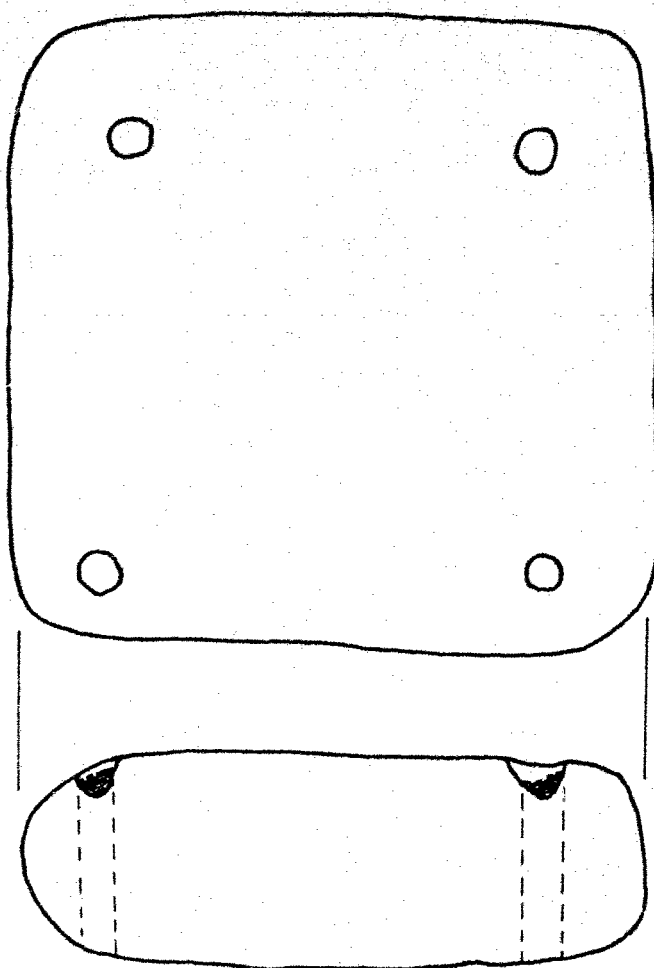


b.



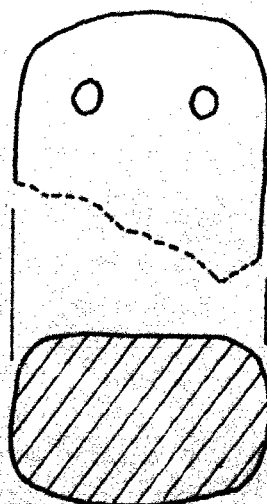
Two weights from set —
 N60 Fb 17 (60/342)

Knossos Neolithic



a.

Single Weight from Stratum II
(No. 56/87)

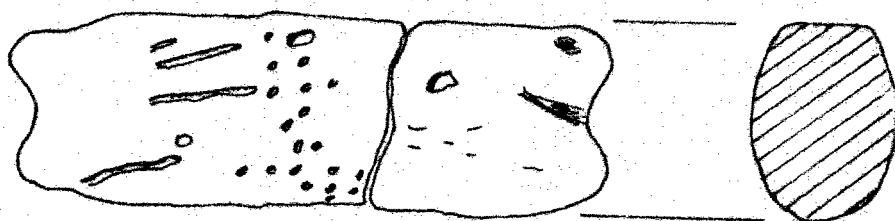


b.

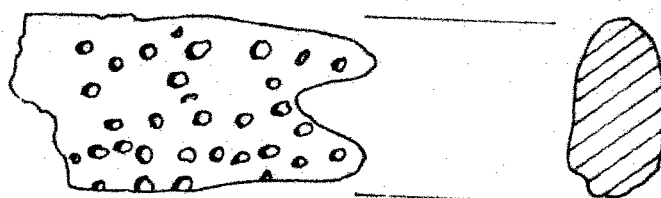
Single Weight from Stratum II
(No. 58/60)



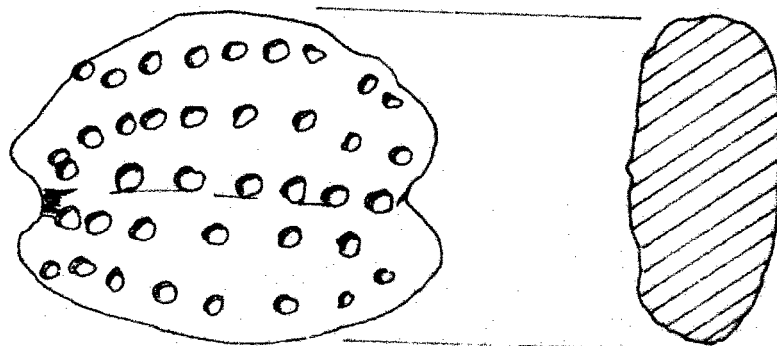
Knossos Neolithic



a. (No. 69/32 - Stratum IV)



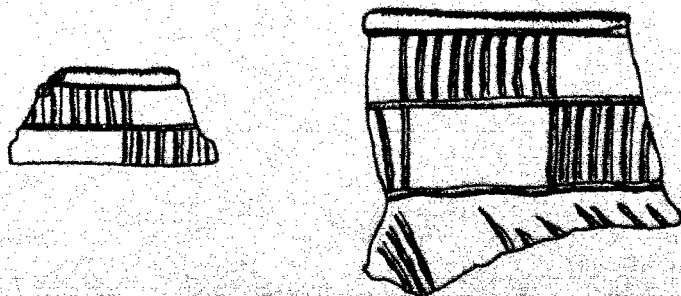
b. (No. 57/71 - Stratum I)



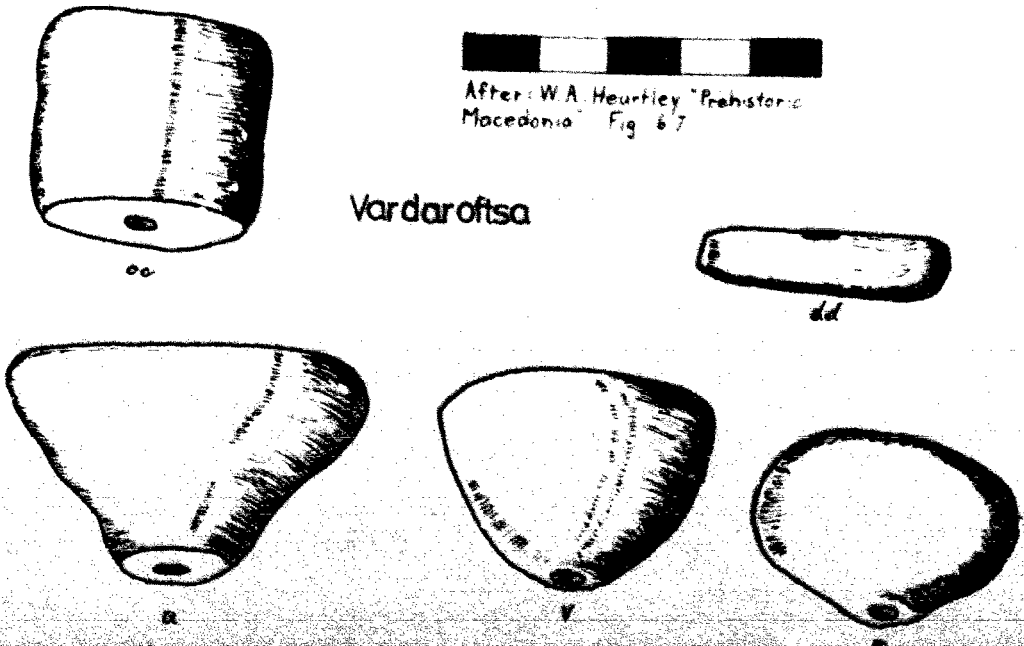
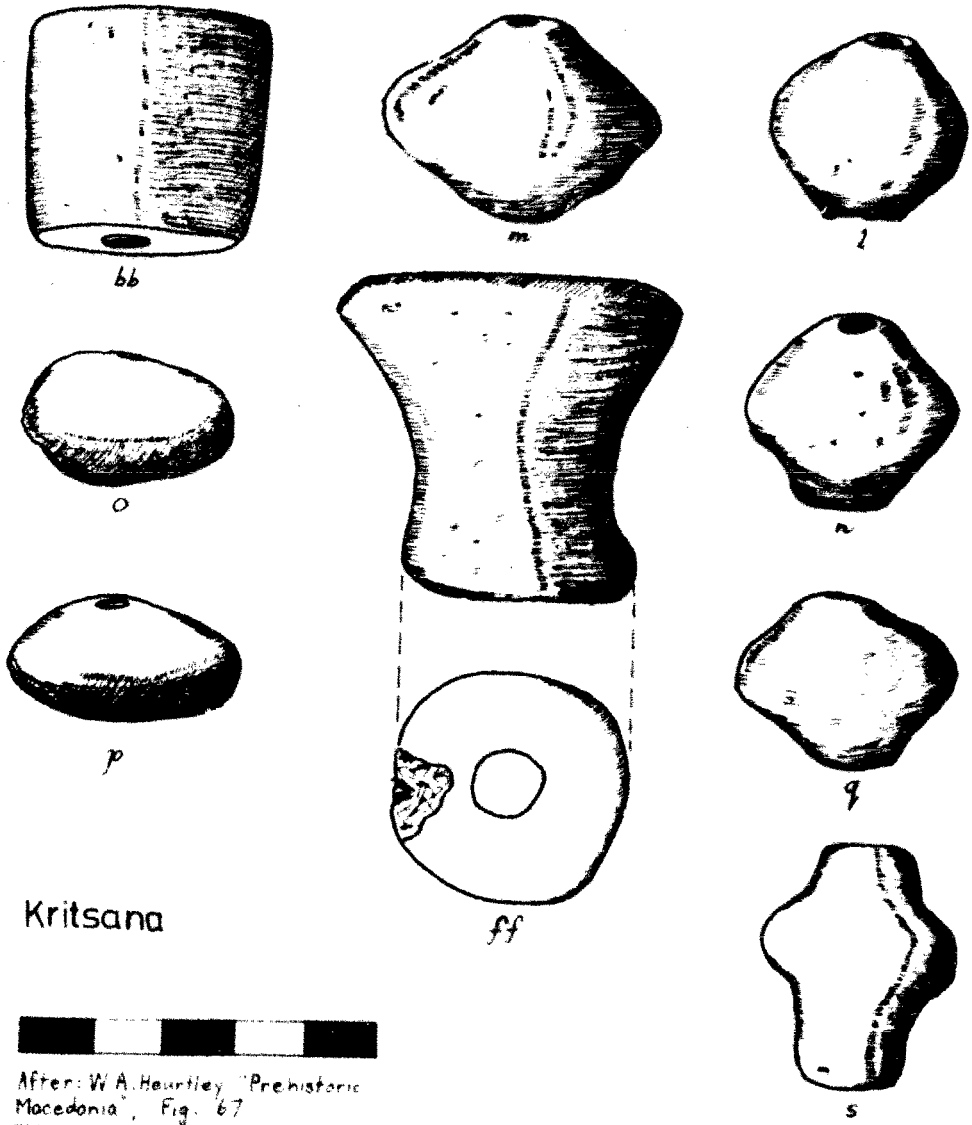
c. (No. 60/220 - Unstratified)

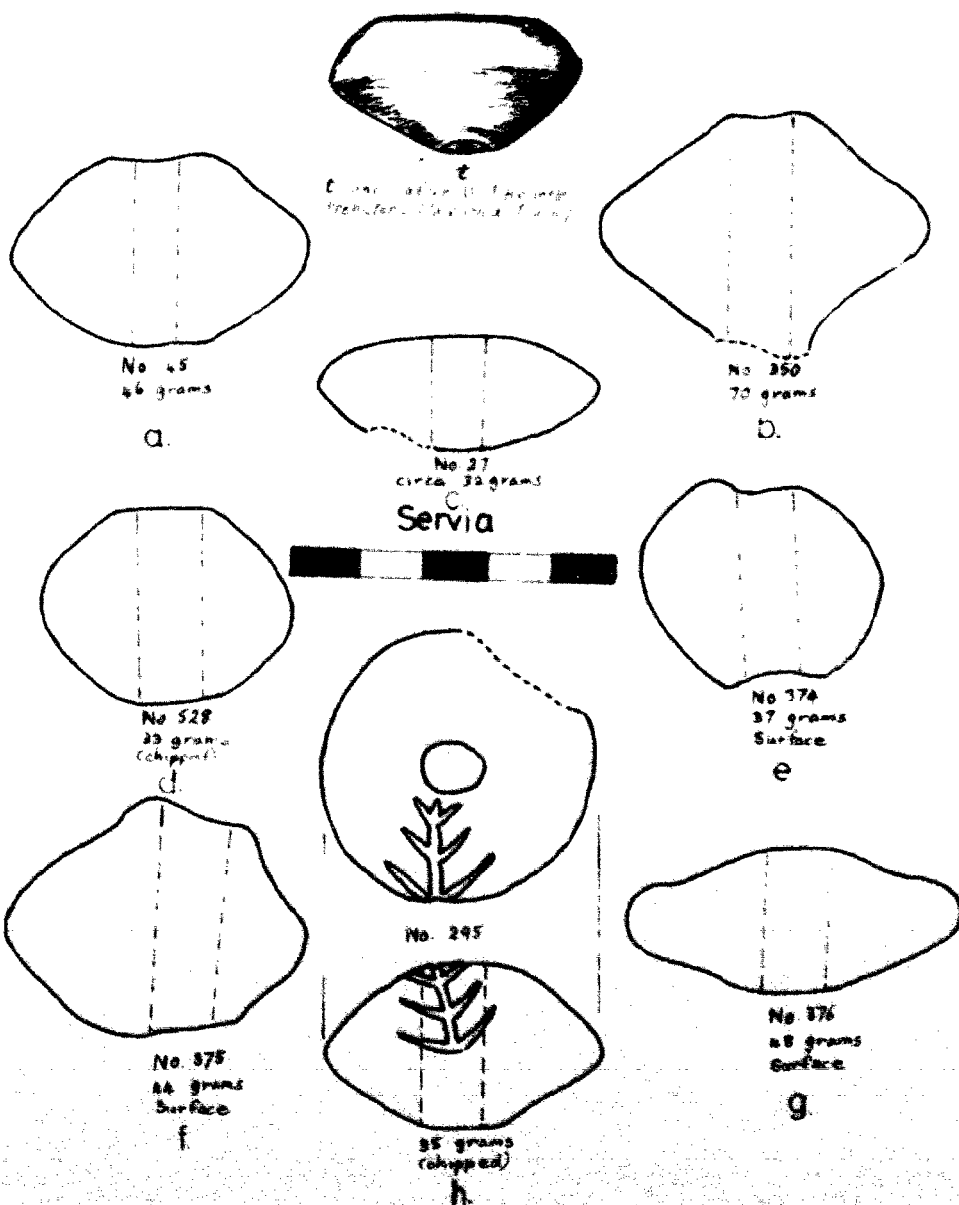
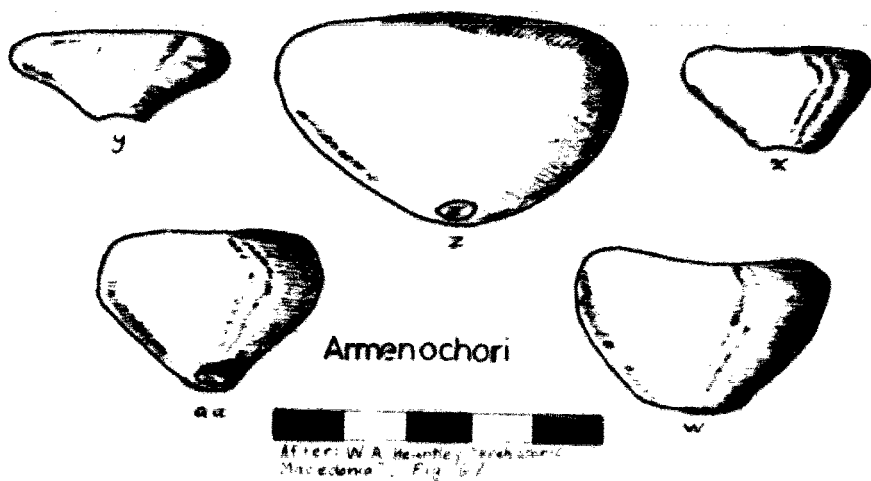


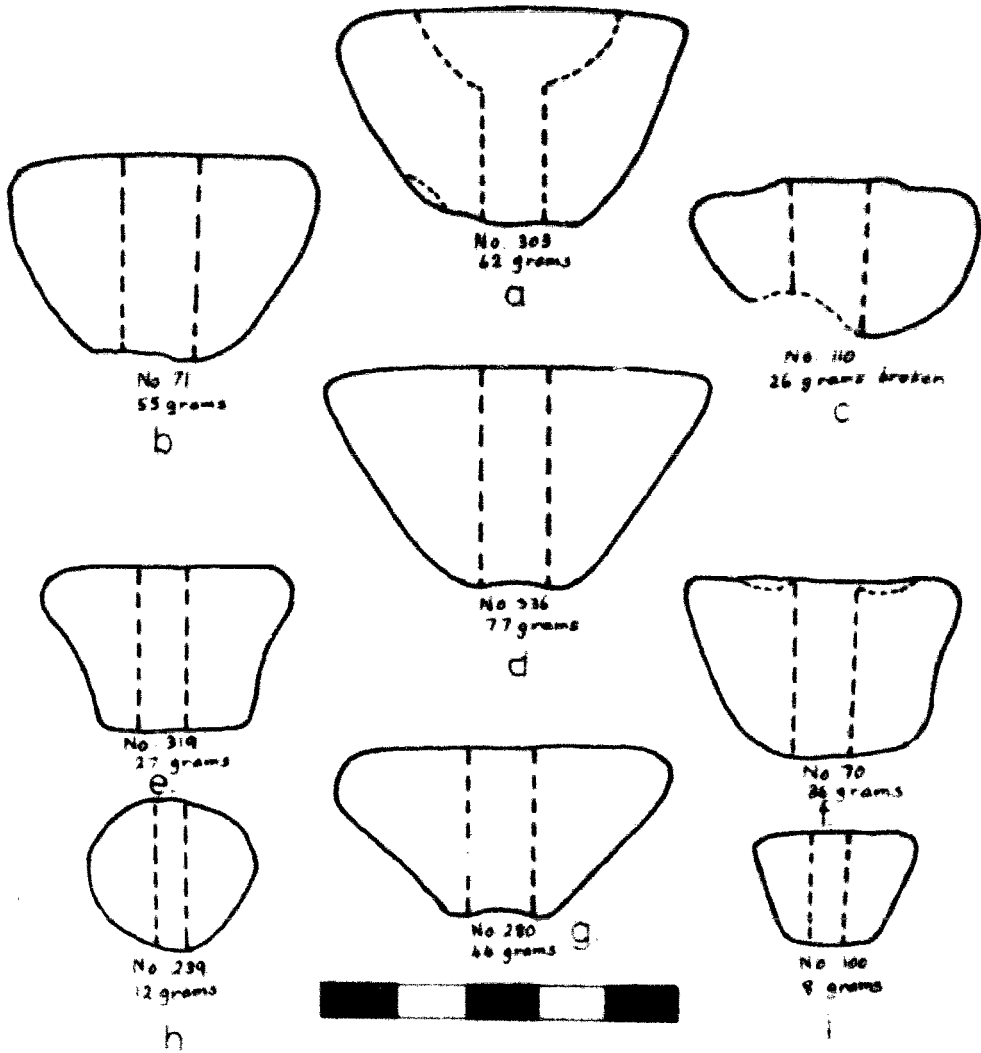
d.



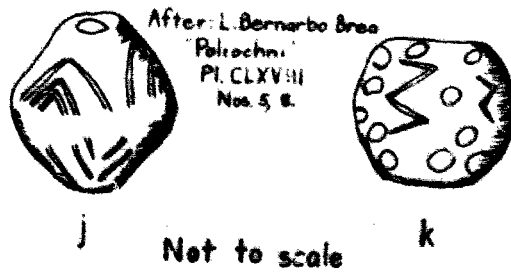
After Sir Arthur Evans "The Palace of Minos"
Vol. I, Fig. 3, Nos. 4, 5.







Servia

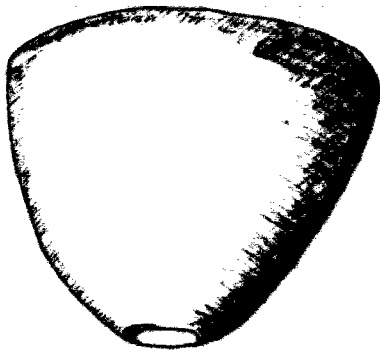


Airen: RR. Schmidt
"Die Burg Vucedol"
Text Fig. 70. No. 4
From: Vukovar,
Yugoslavia



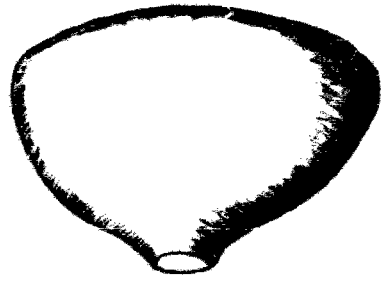
After: WA. Heurtley
"Prehistoric Macedonia"
Fig. 104g
From: Late Bronze
Age Vardino,
Macedonia.



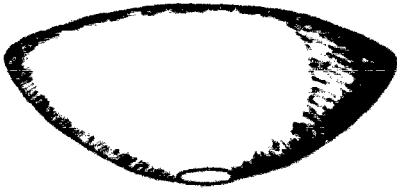


a

Lithares

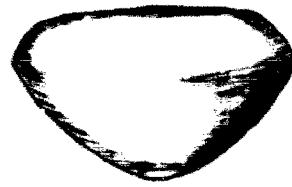


b

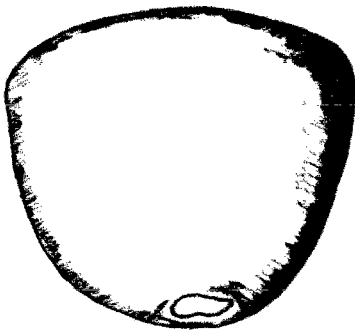


c

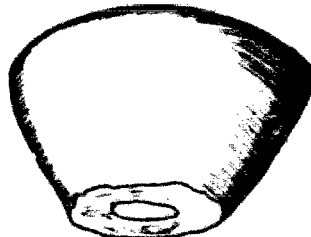
Sketches only. Scale approx 1:1
On display in Archaeological
Museum, Thebes.



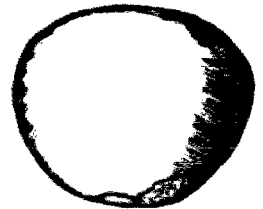
d



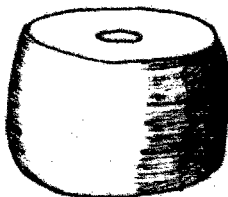
e



f



g



h

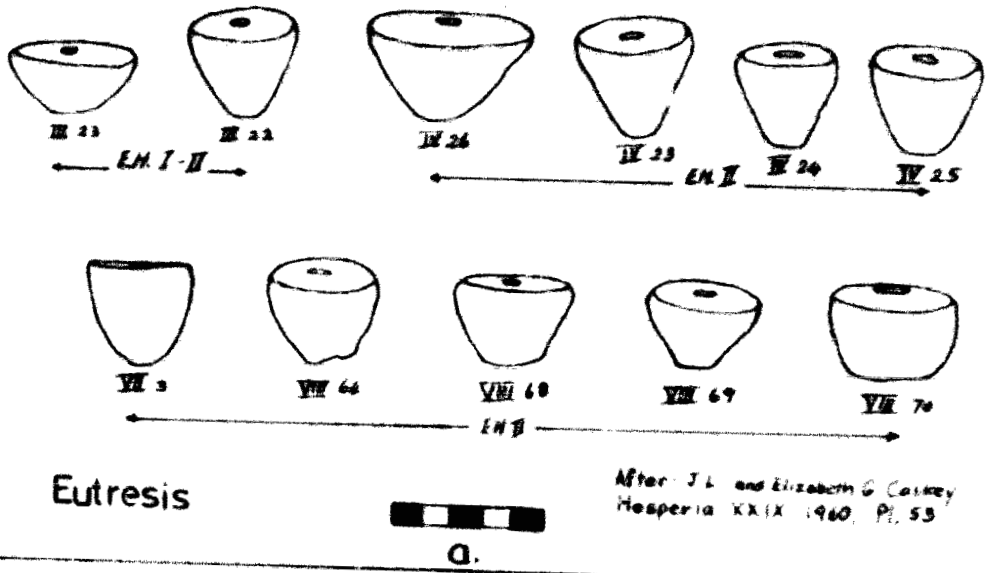


i

Aghios Kosmas

Sketches only. Scale approx 1:1

On display in National Archaeological Museum, Athens. Case 42



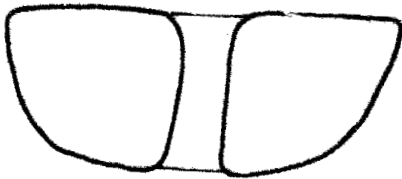
Phase Y
b.



Phase Z
c.

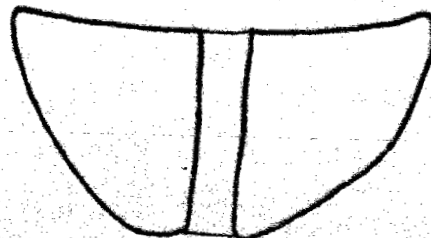
Site by Lake Vouliagmeni, near
Perachora

After: J. M. Fossey,
BSA Vol. 66, 1969, Fig. 8



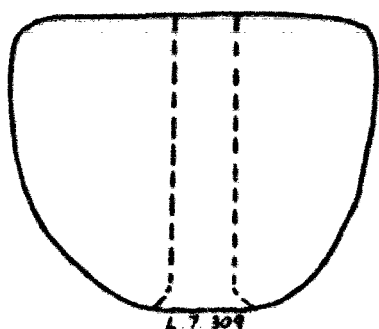
(Fig. 39)
d

Corinth

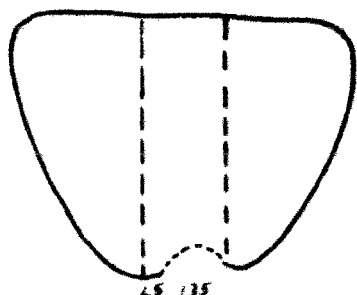


(Fig. 40)

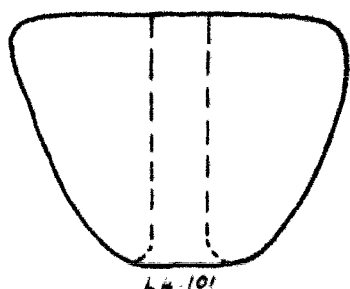
After: Leslie Walker-Kosmopoulos
"The Prehistoric Inhabitation of
Corinth", Figs. 39, 40.



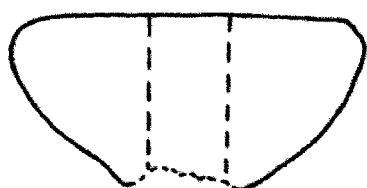
a.



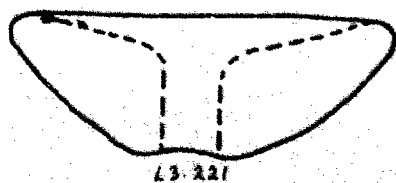
b.



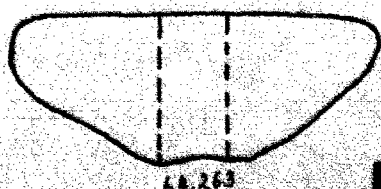
c.



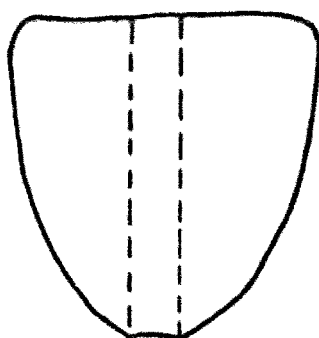
d.



e.



f.

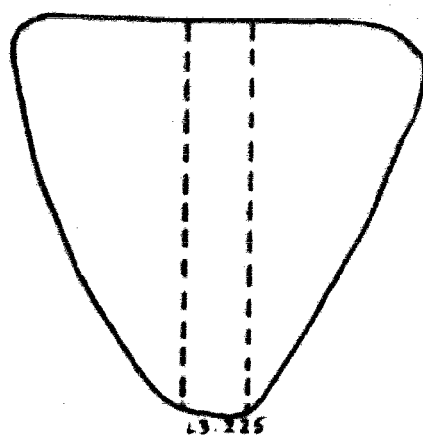


g.

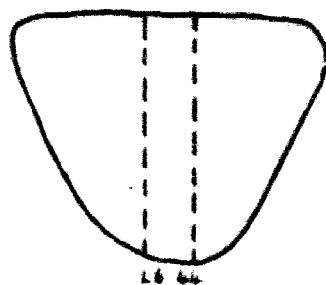
Lerna



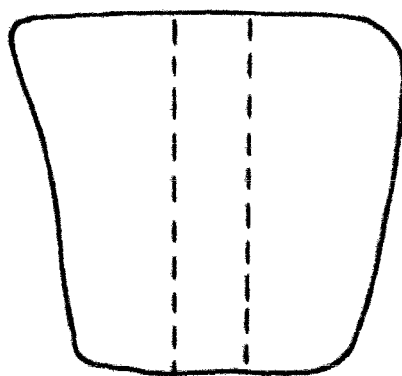
h.



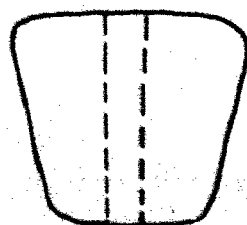
i.



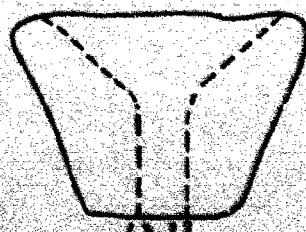
j.



k.

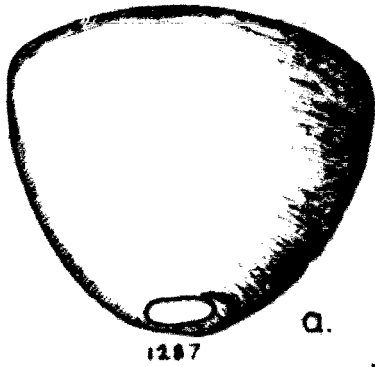


l.

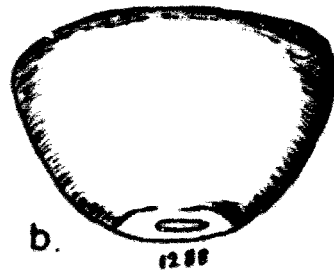


m.

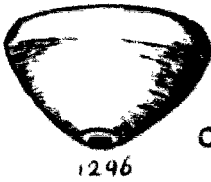




a.



b.



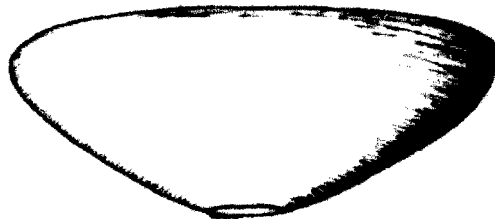
c.



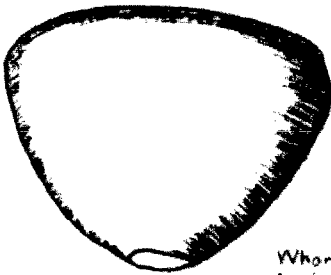
d.

Tiryns

Whorls on display in Archaeological
Museum, Nafplion
Sketches only. Scale approx. 1:1



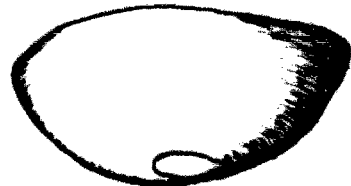
e.



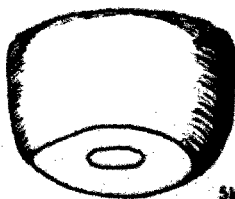
f.

Tiryns

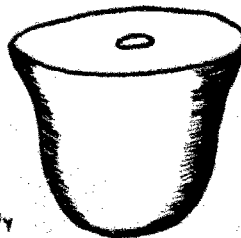
Whorls on display in National
Archaeological Museum, Athens,
Case 15, No. 1613.



g.



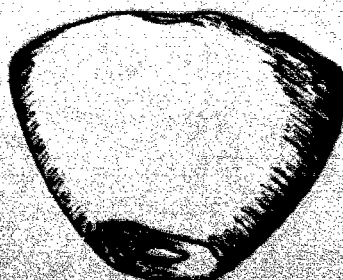
h.



i.

Sketches Only
Scale approx. 1:1

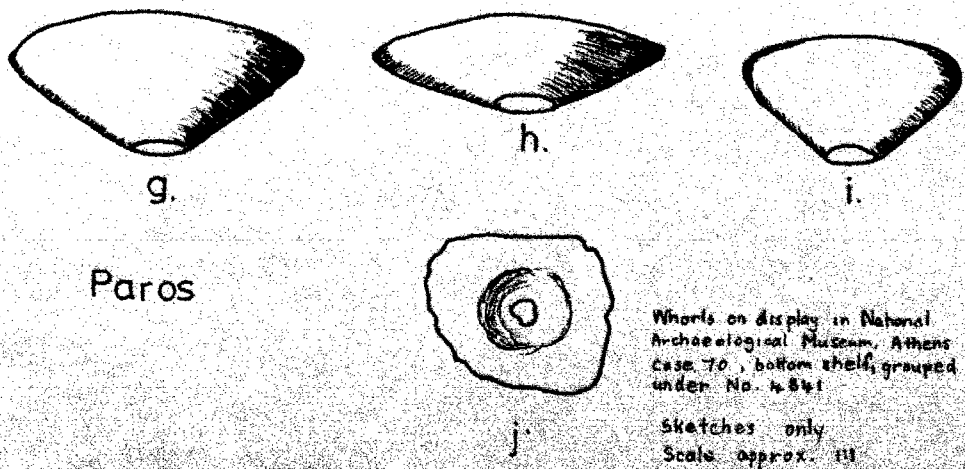
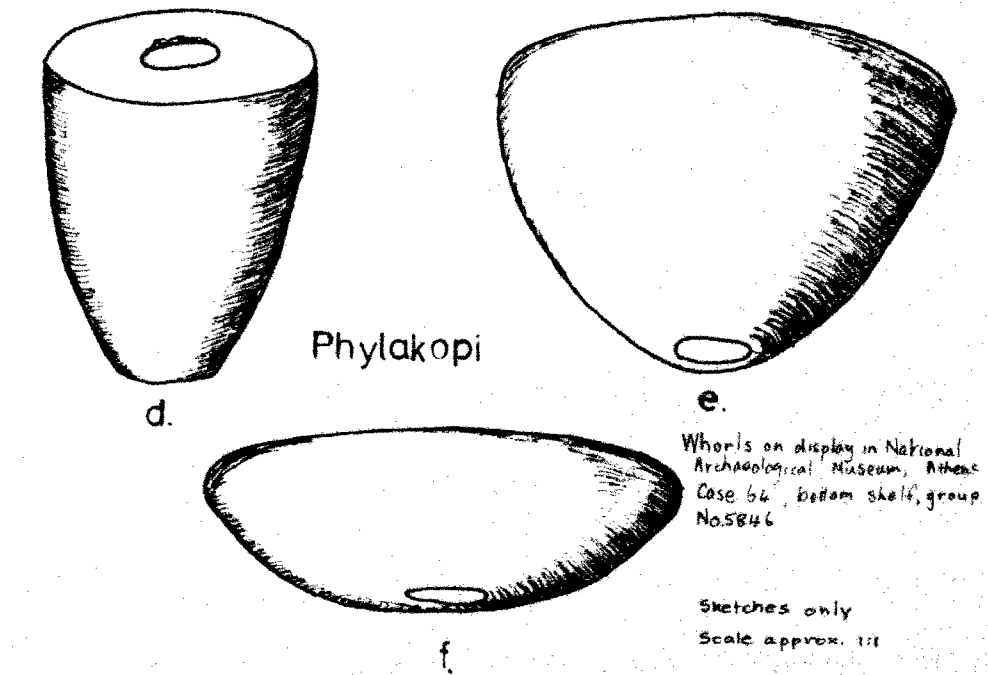
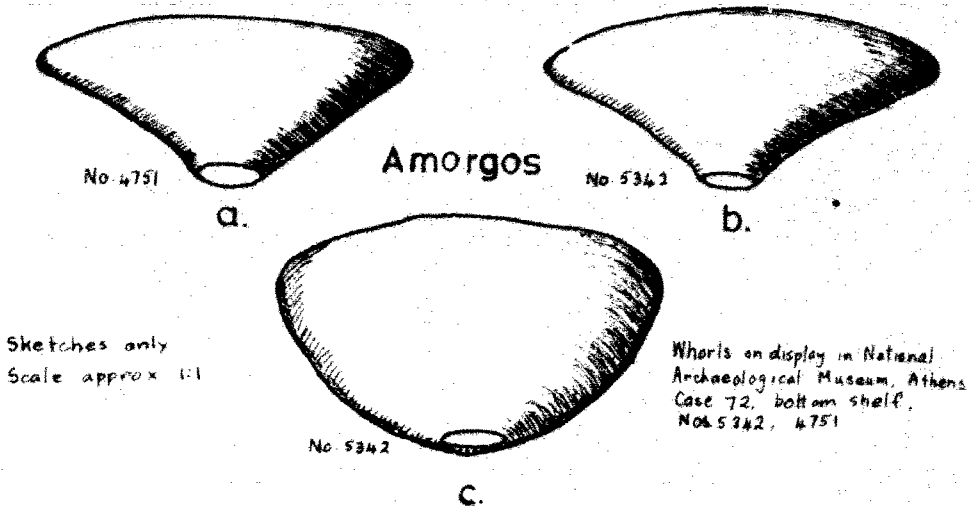
Asine

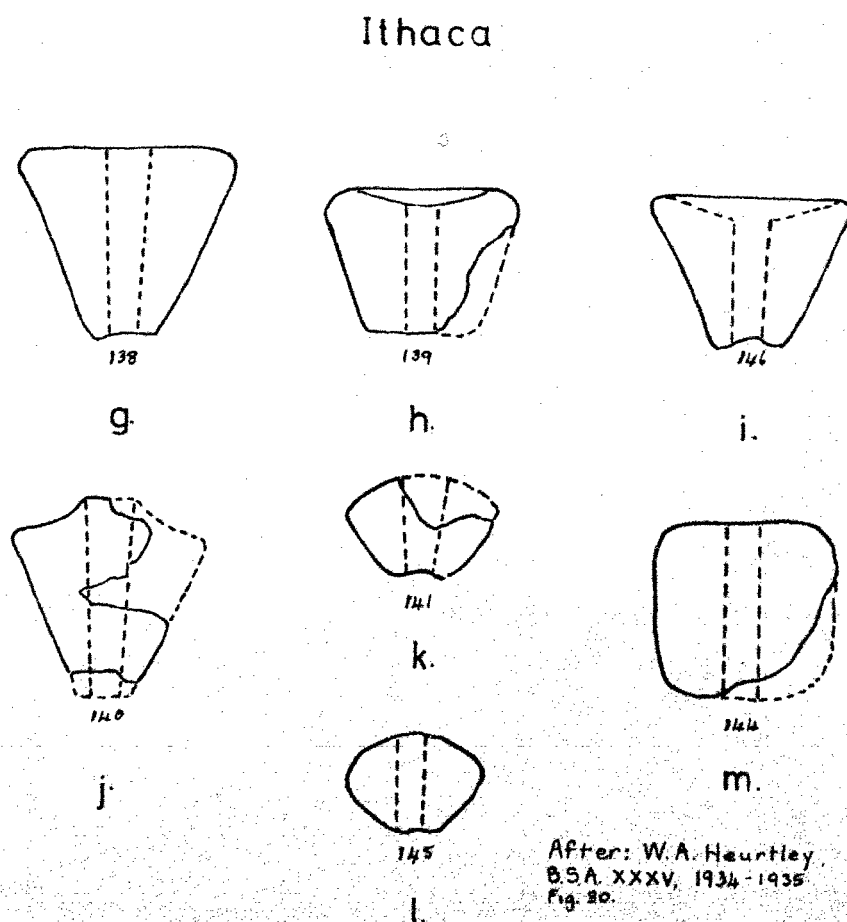
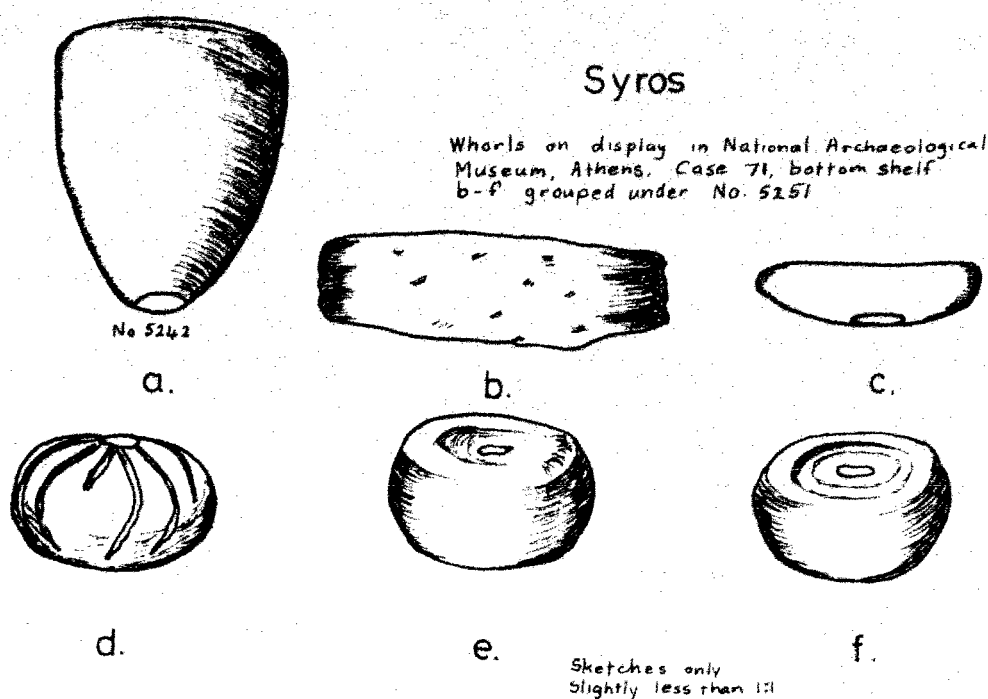


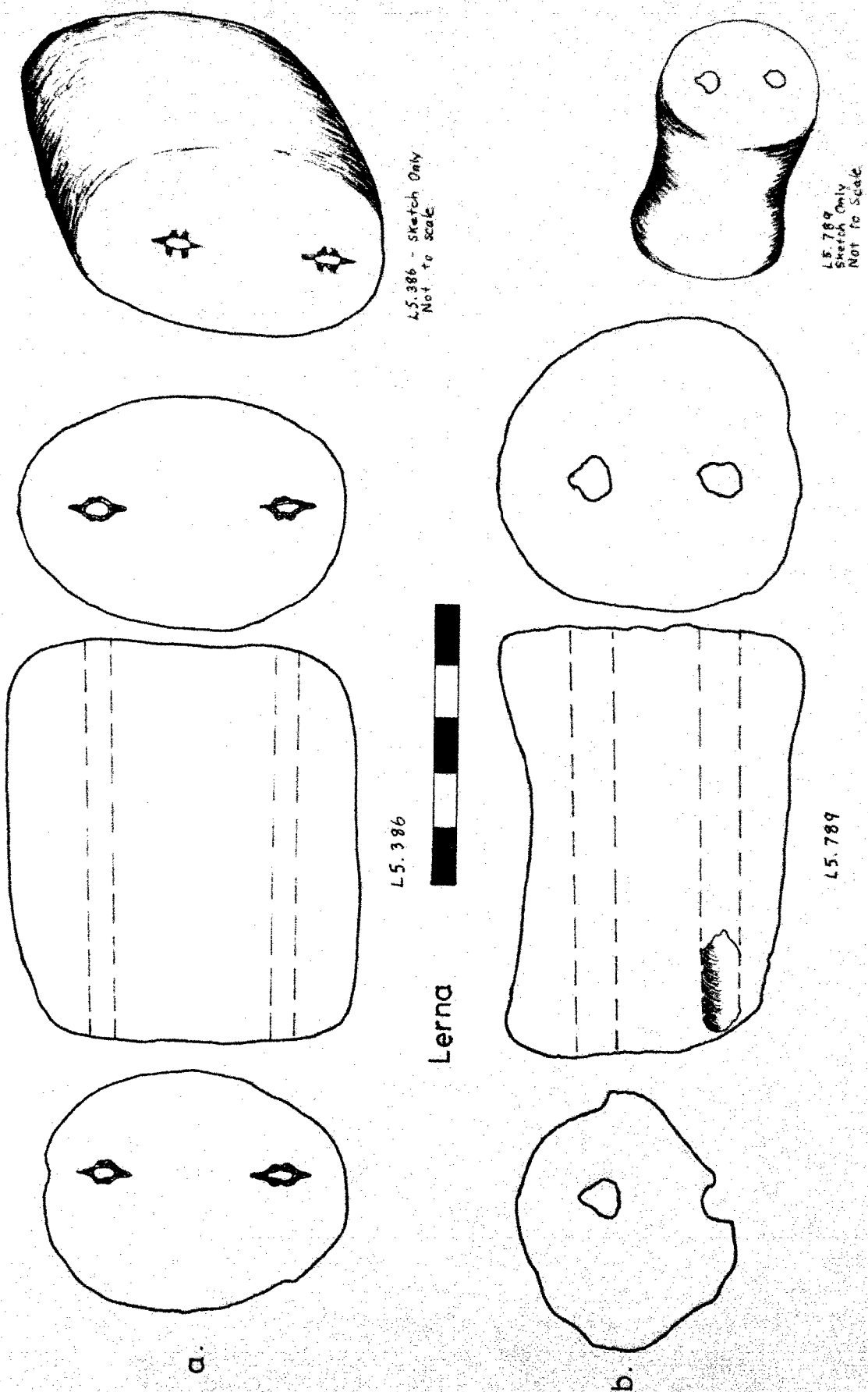
j.

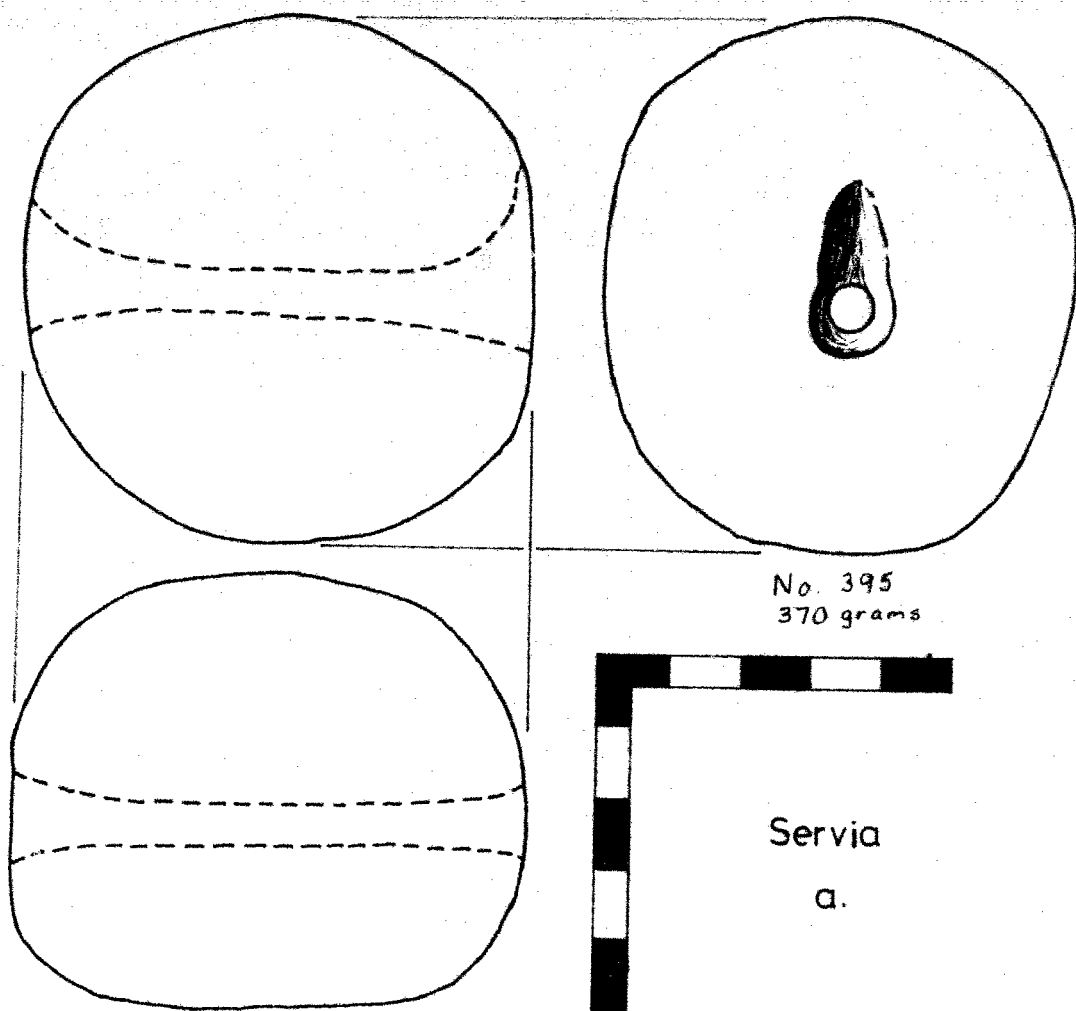
Whorl on display in
Archaeological Museum,
Nafplion, No. 3449

Sketch only
Scale approx. 1:1

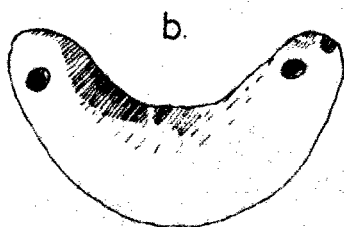






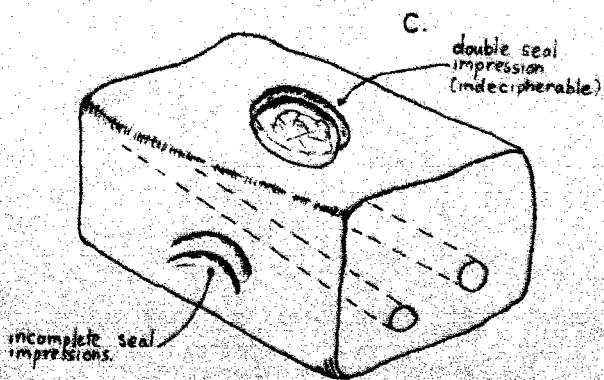


Tiryns

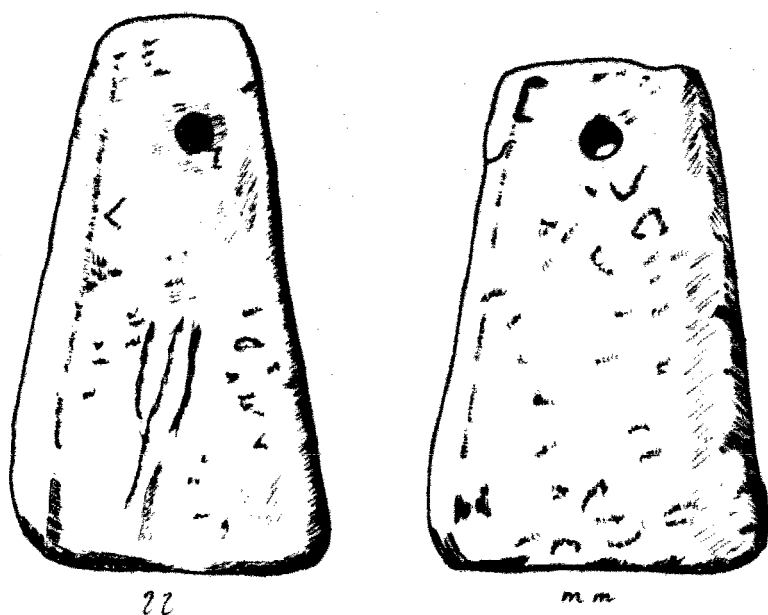


After: Kurt Müller
"Tiryns Vol IV" Fig. 50.
Width circa 17 cms.

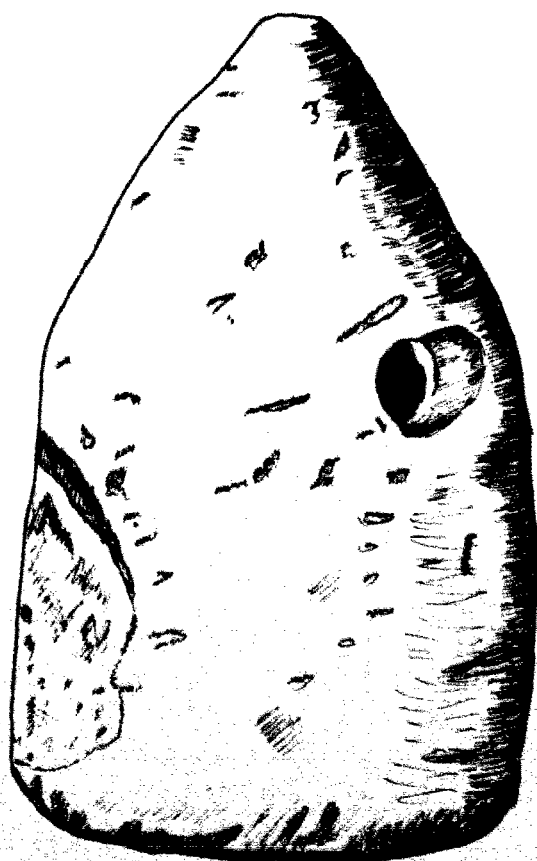
Lerna



Sketch only.
Not to scale.



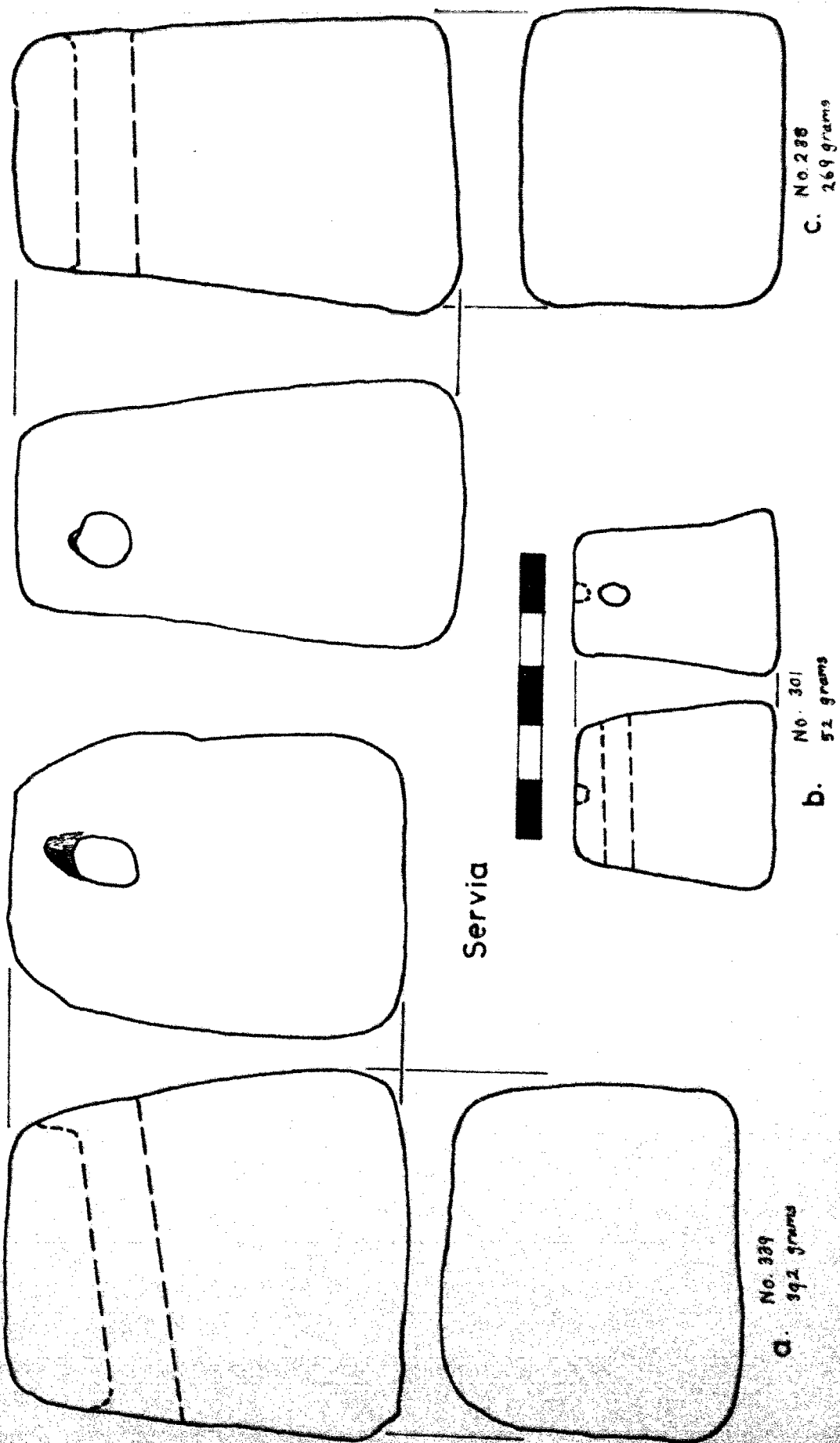
Saratse

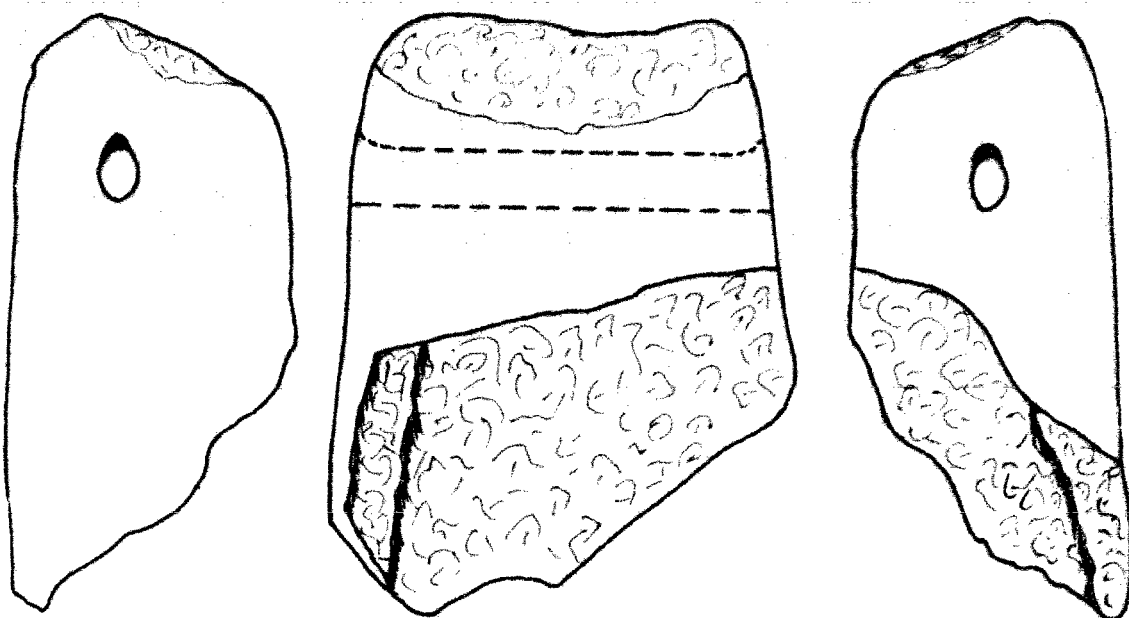


n n



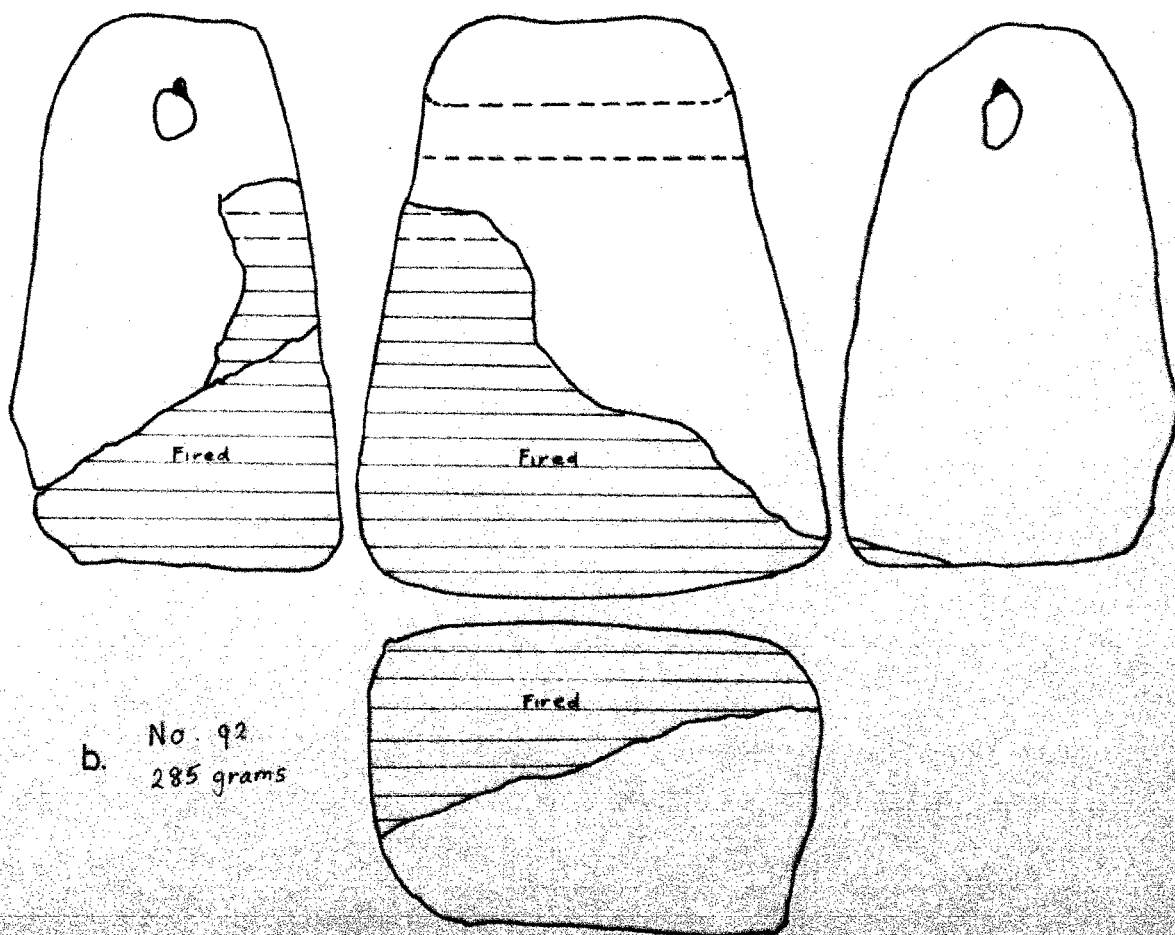
After: W.A. Houtley.
 "Prehistoric Macedonia"
 Fig. 67 II - m.



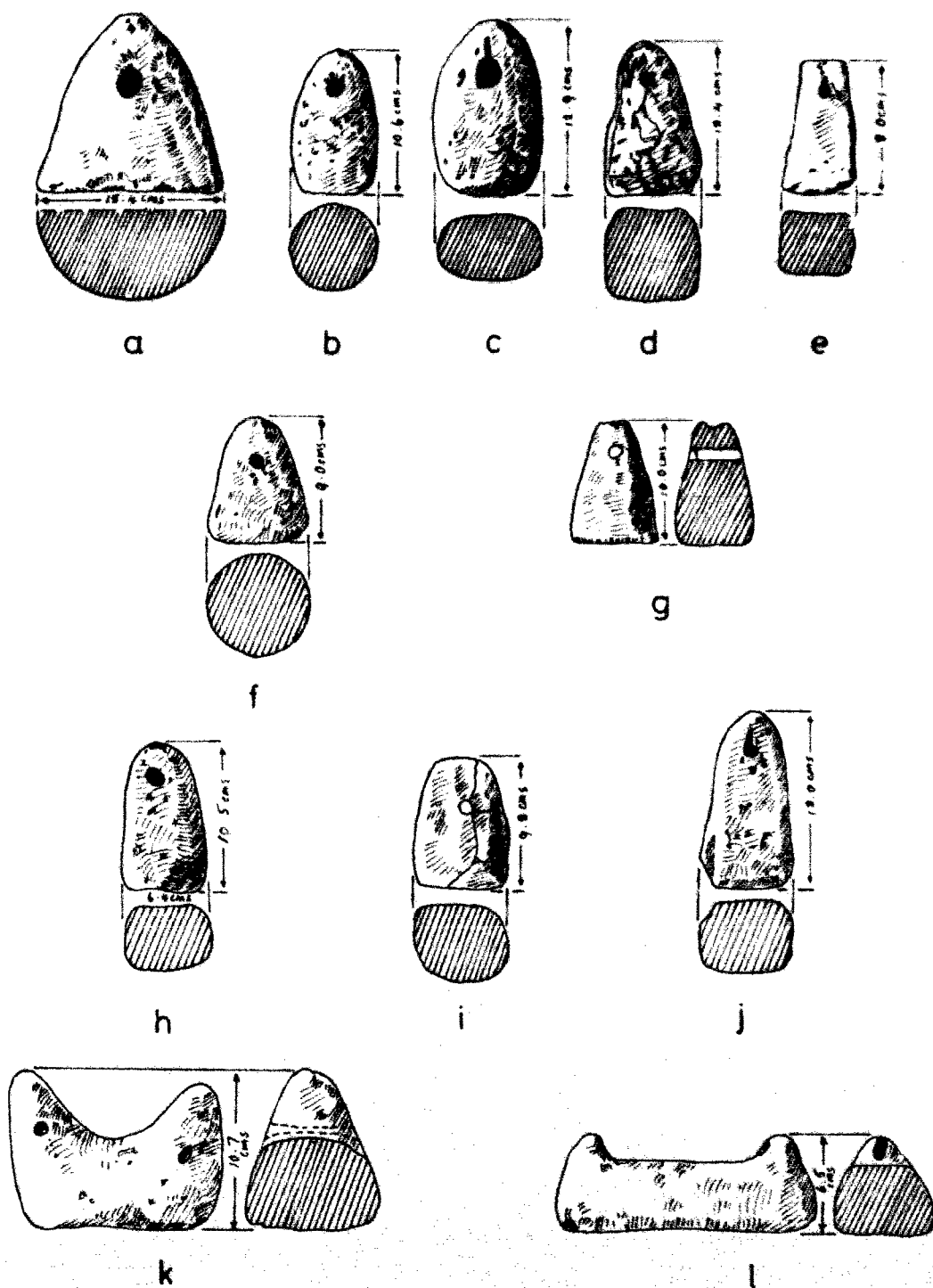


a. No. 340
204 grams (broken)

Servia

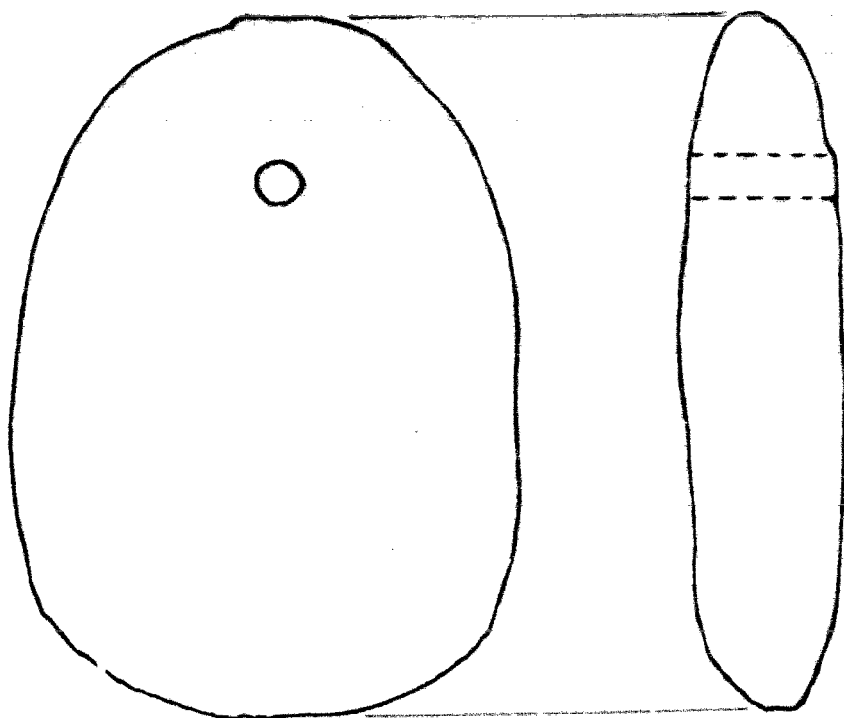


b. No. 92
285 grams



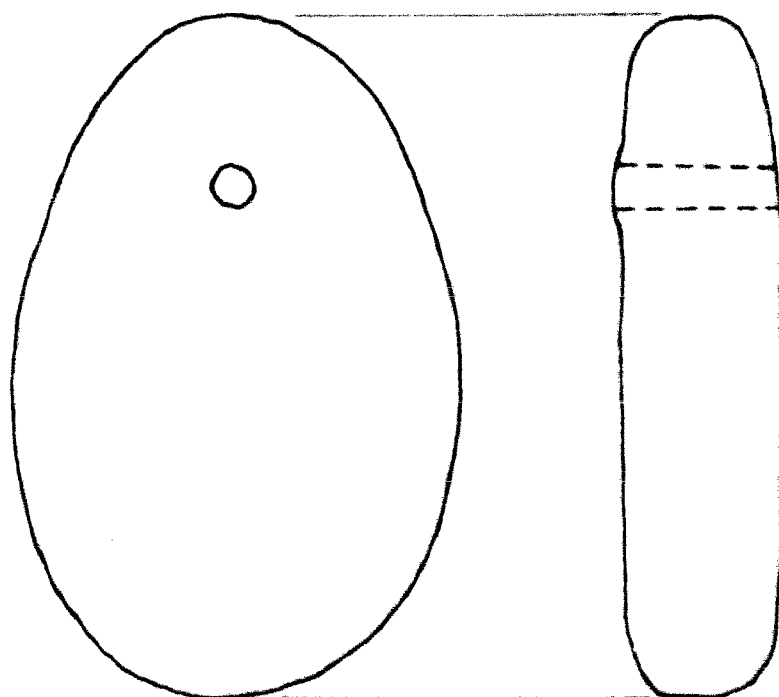
Sălcuța

After: D. Berciu "Contributii La
Problemele Neoliticului in România
in Lumina Noilor Cercetari"
Figs. 74, 75, 78.



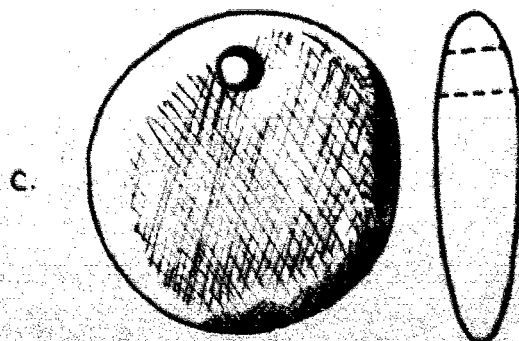
a. K9 72 234 grams

Kea



b. K9 142 192 grams

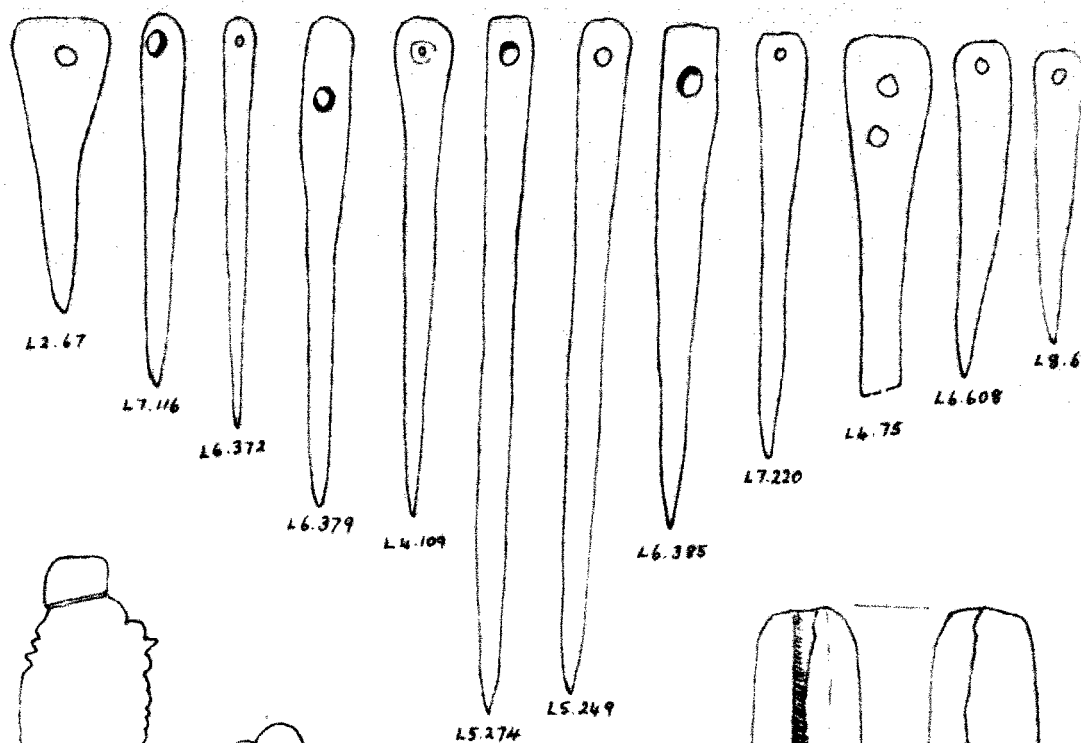
Thermi



c.

After W. Lamb: Excavations
at Thermi in Lesbos
Fig. 46. No. 91.91

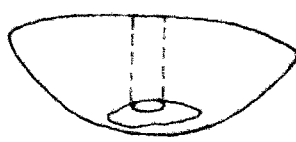
Scale. 2:3



a.
Lerna
Bone Tools.



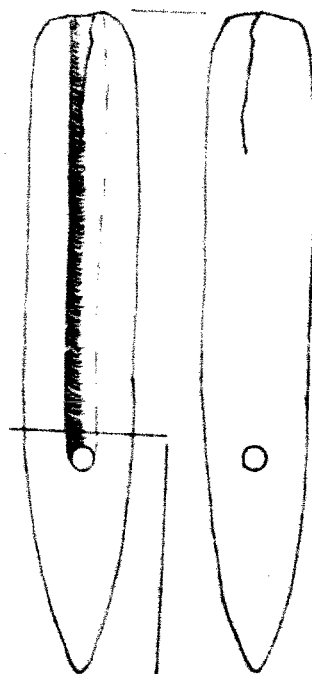
e



f



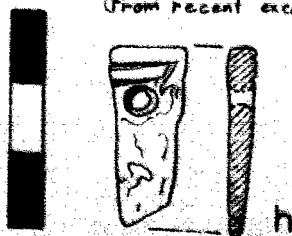
g



d.

L5.207

Servia
(From recent excavations)



No. 531



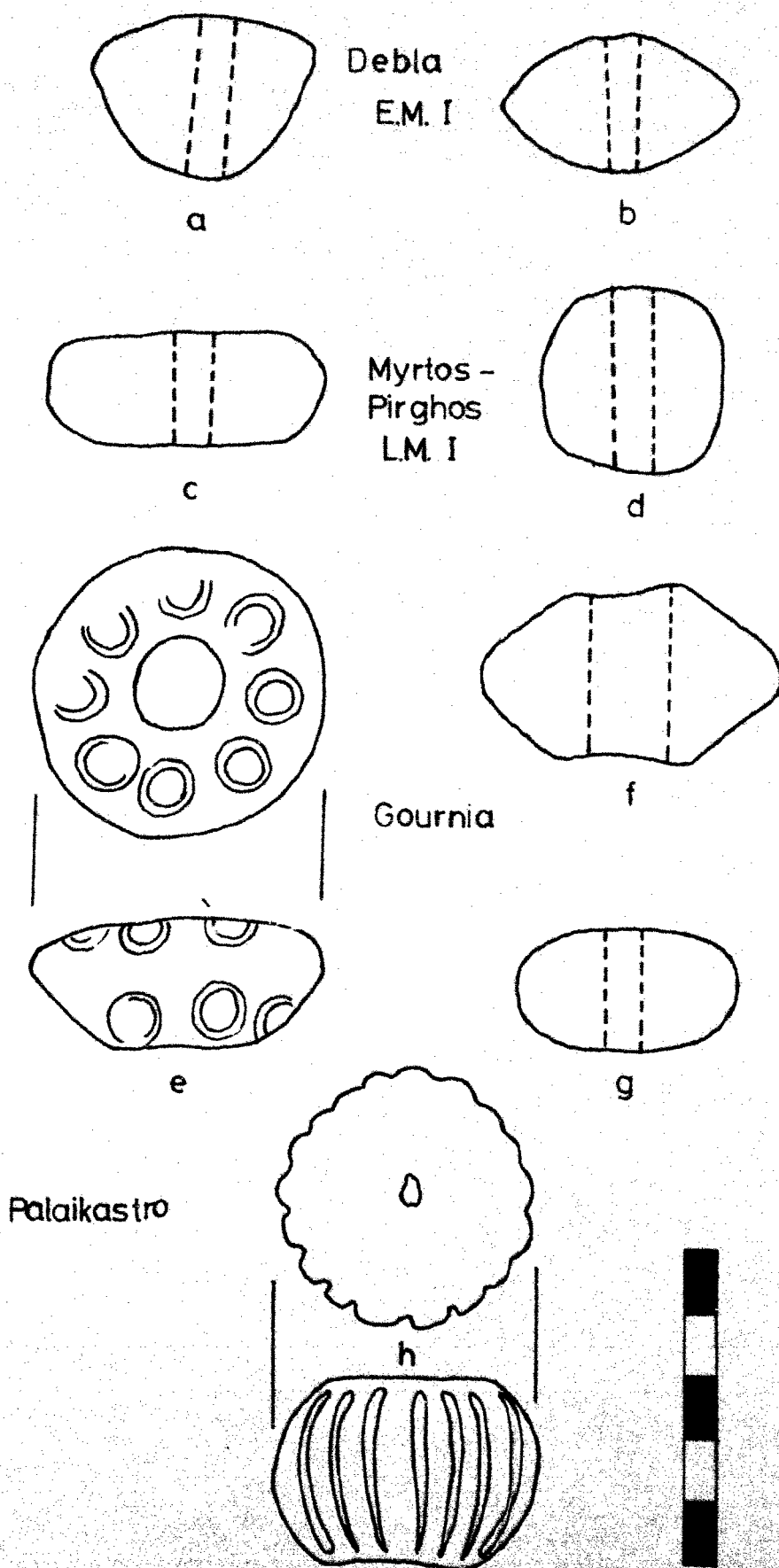
i

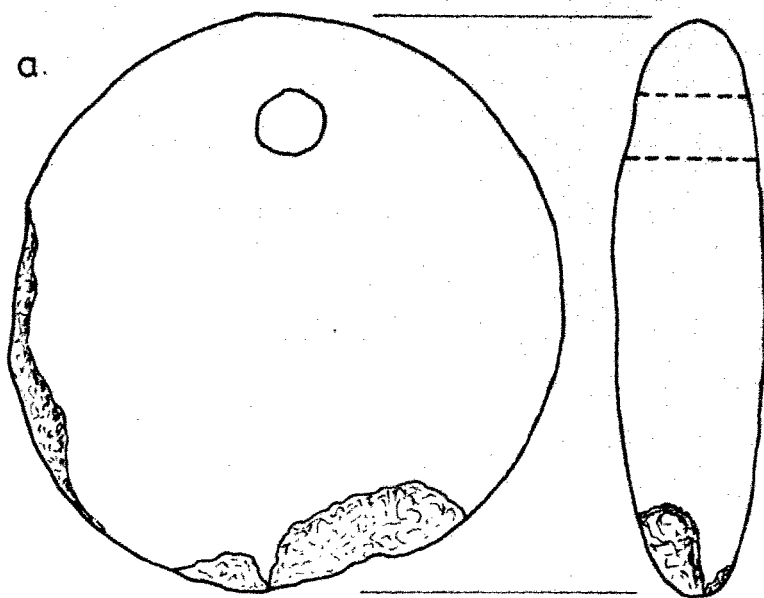


Kritsana

After: W.A. Houtley
"Prehistoric Macedonia"
Fig. 66, c (left), f (right).

Minoan Clay Whorls



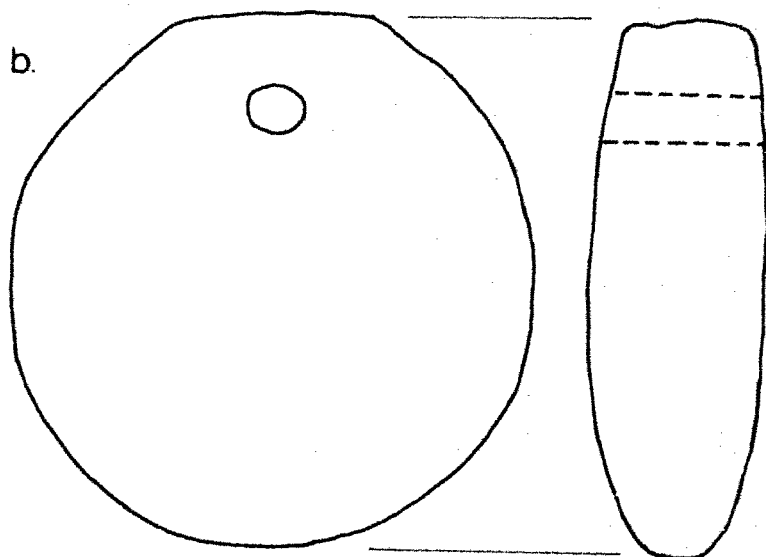


Myrtos-Pirghos

MP/71/71

125 grams

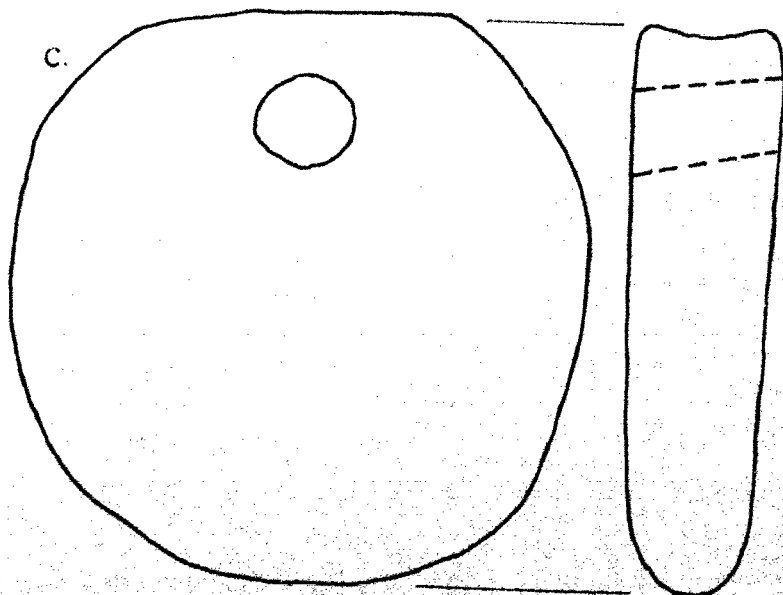
Middle Minoan?



Knossos

East of South-East
Lustral Area

147 grams.

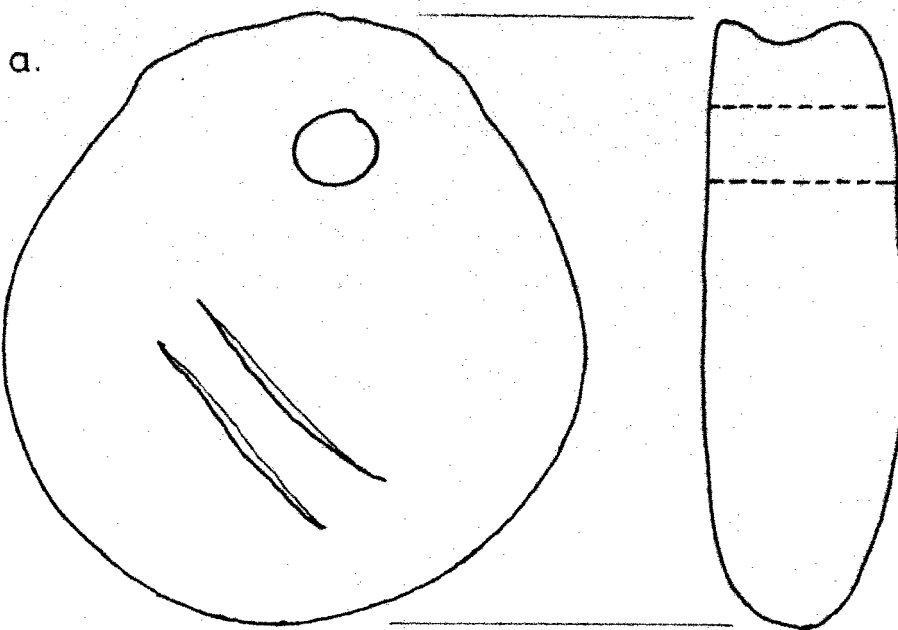


Palaikastro

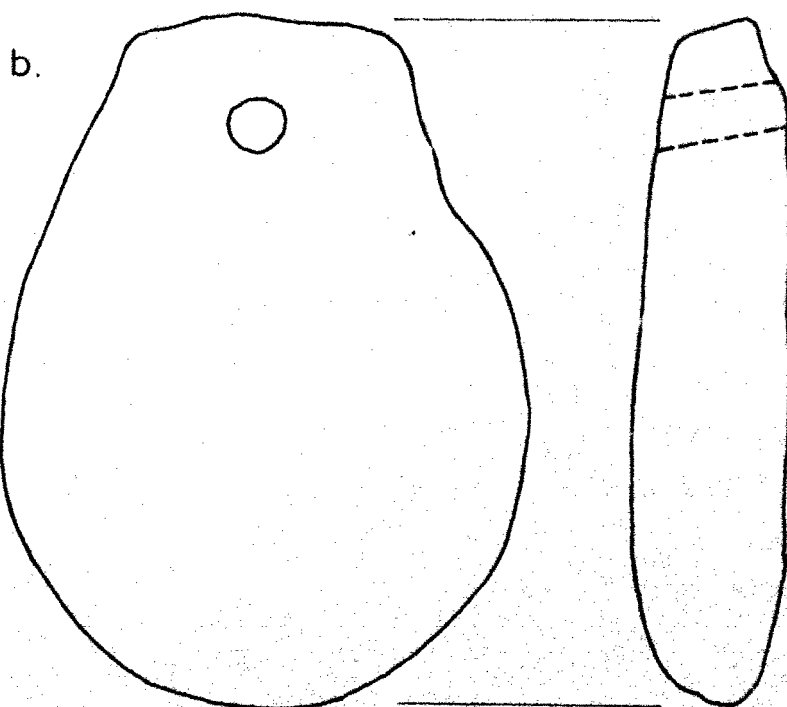
(Kastri)

PK/62/22 L.M.Ib

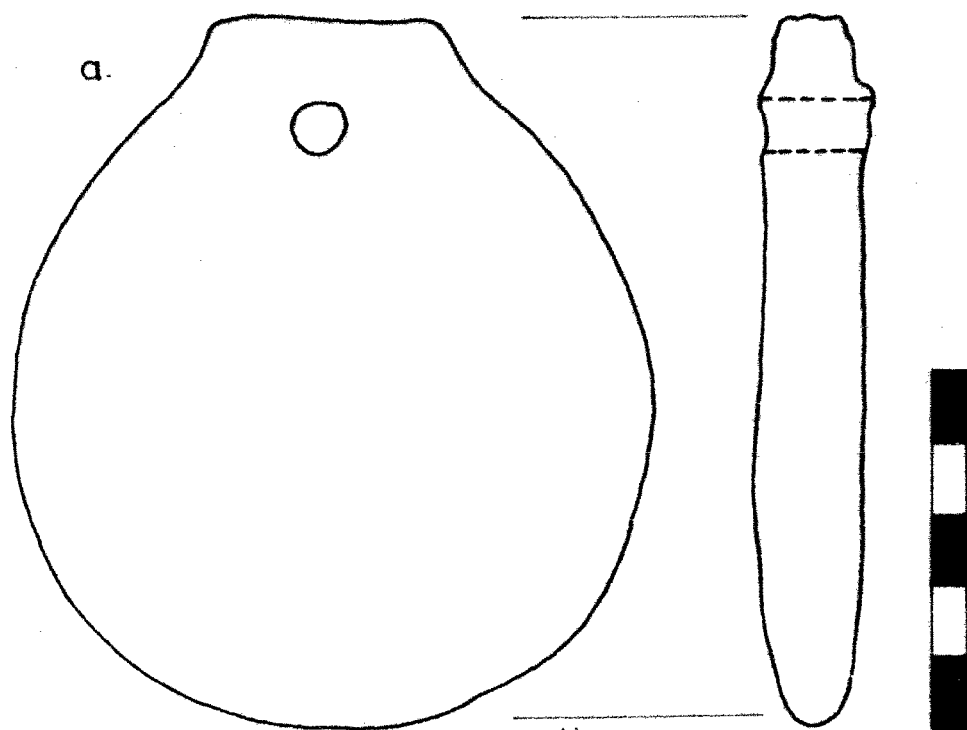
160 grams.



Kea
KB.323
197 grams

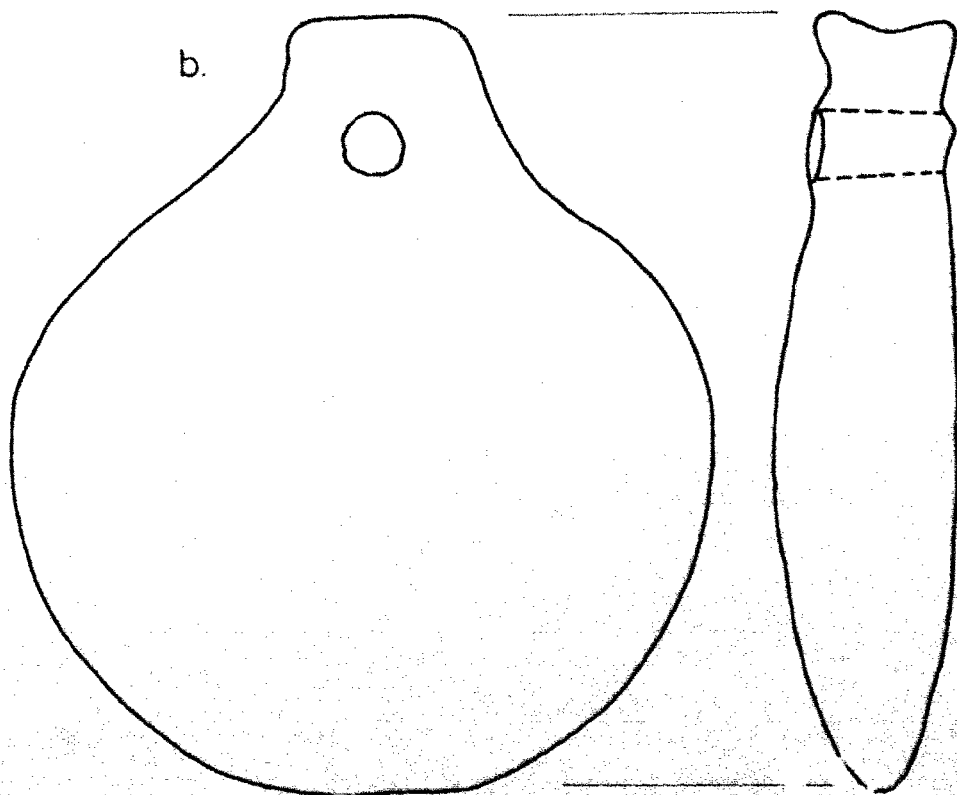


Knossos
Loomweight Basement M.M.IIb
156 grams.

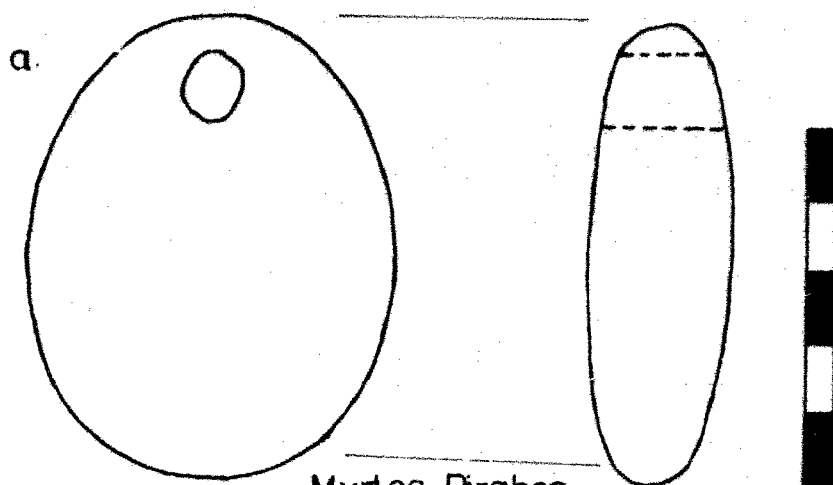


Knossos

Loomweight Basement M.M. IIb
150 grams

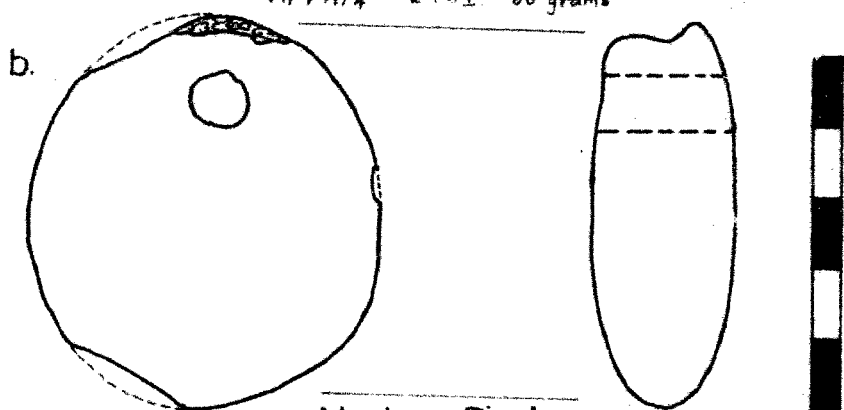


Aghia Triadha



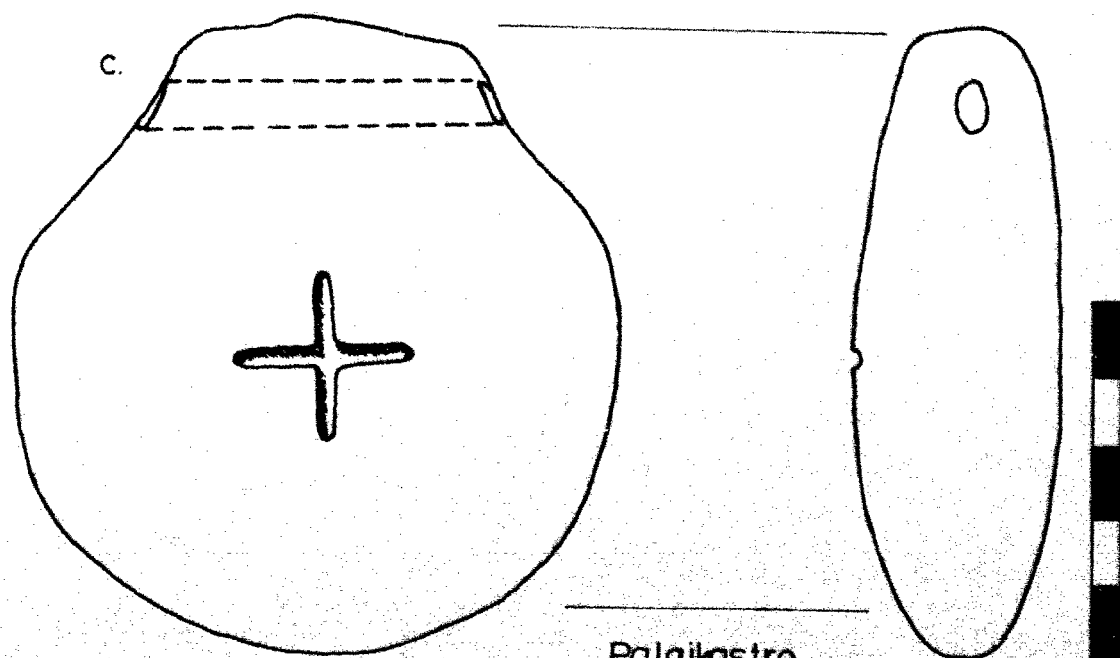
Myrtos-Pirghos

MP/71/4 L.M.I. 68 grams



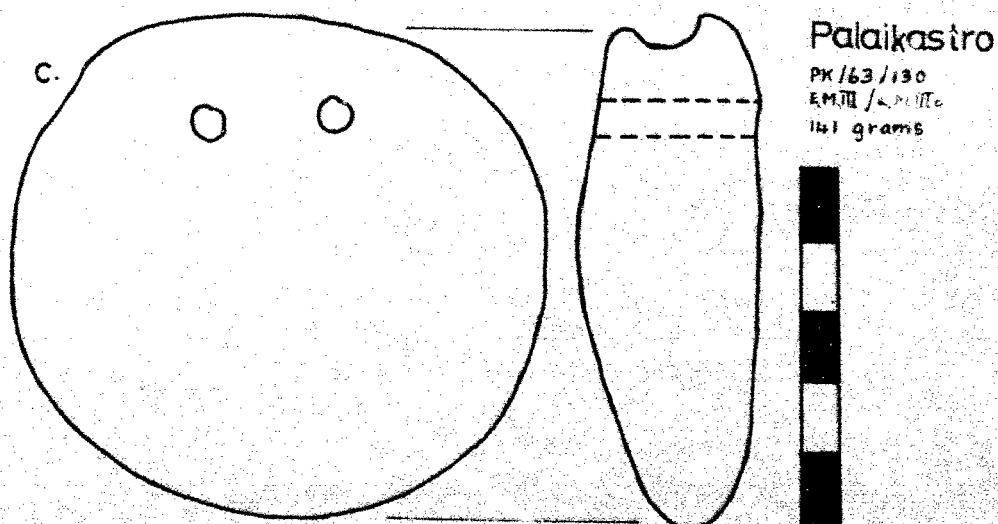
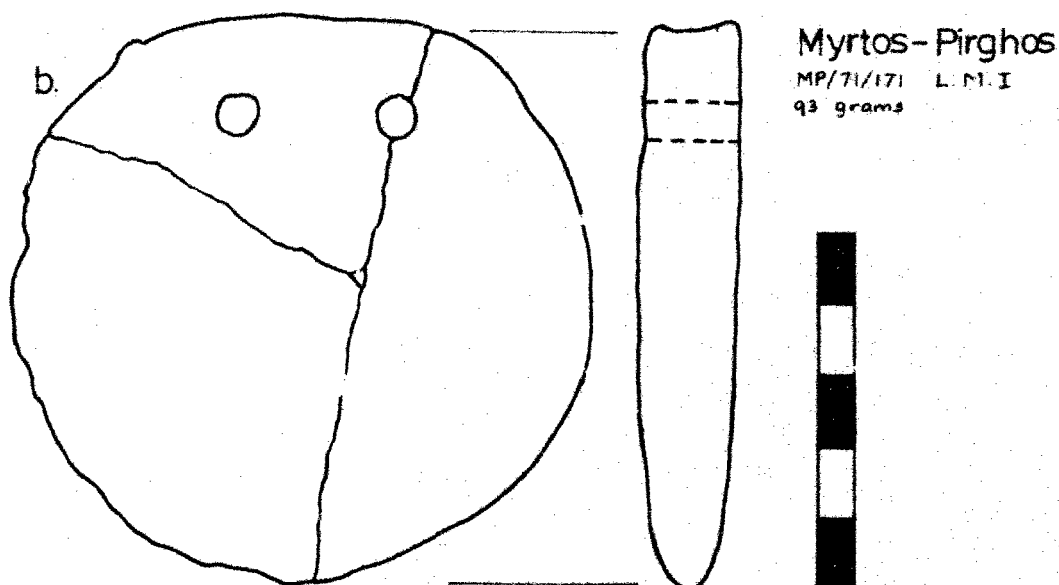
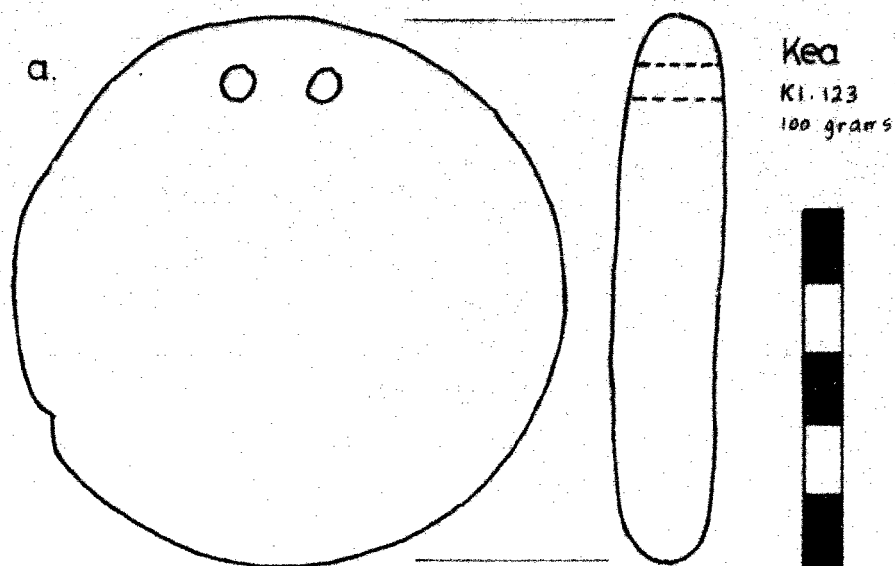
Myrtos-Pirghos

MP/71/31 Middle Minoan 51 grams

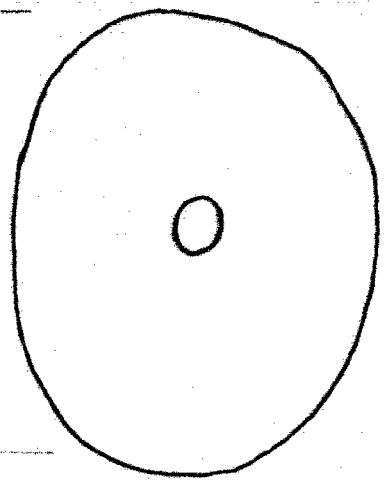
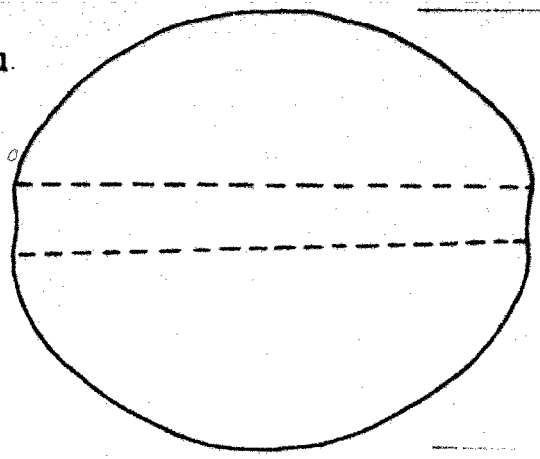


Palaikastro

Earlier Excavations.



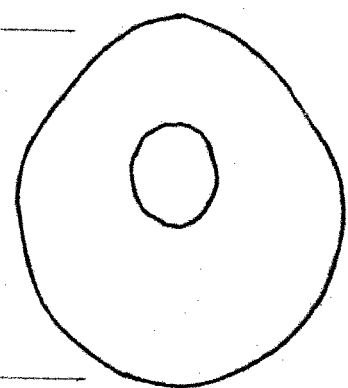
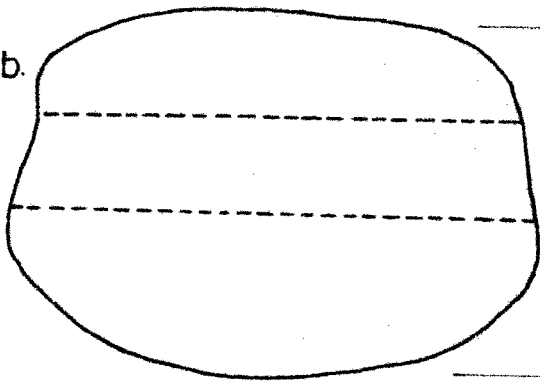
a.



235 grams

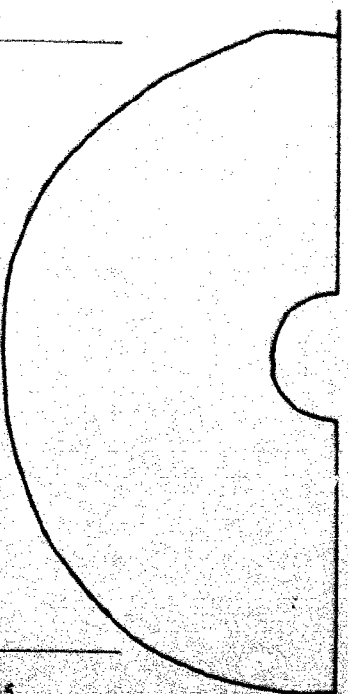
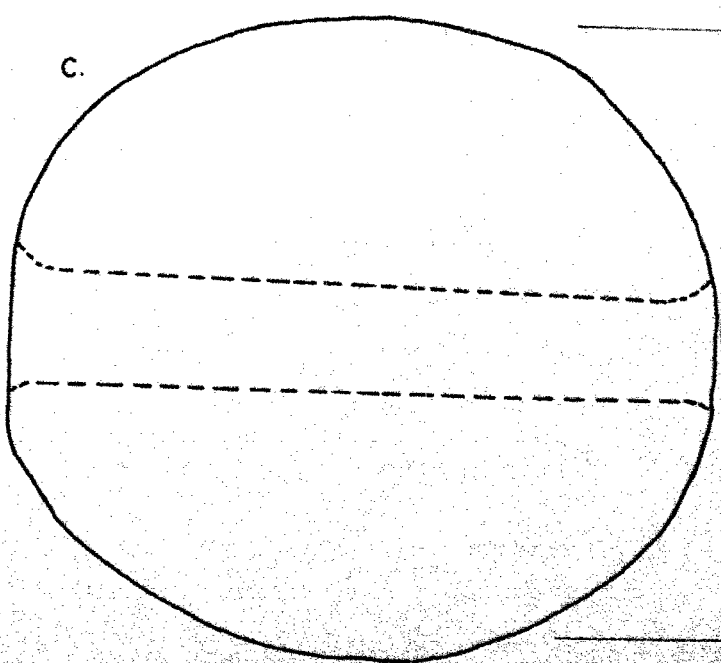
Knossos - Unexplored
Mansion L.M. II

b.



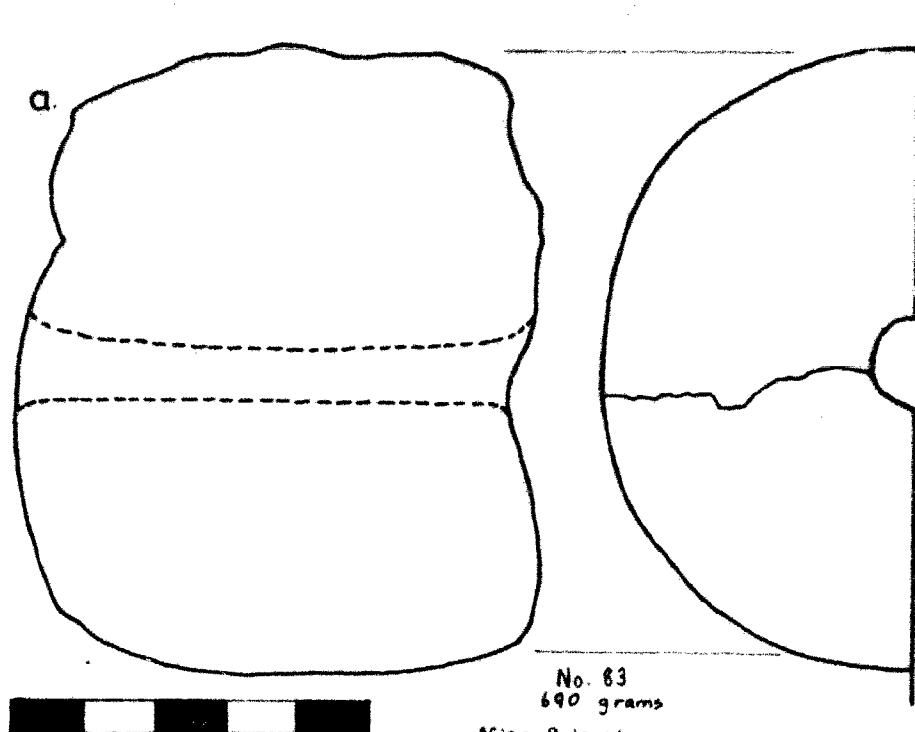
169 grams.

c.

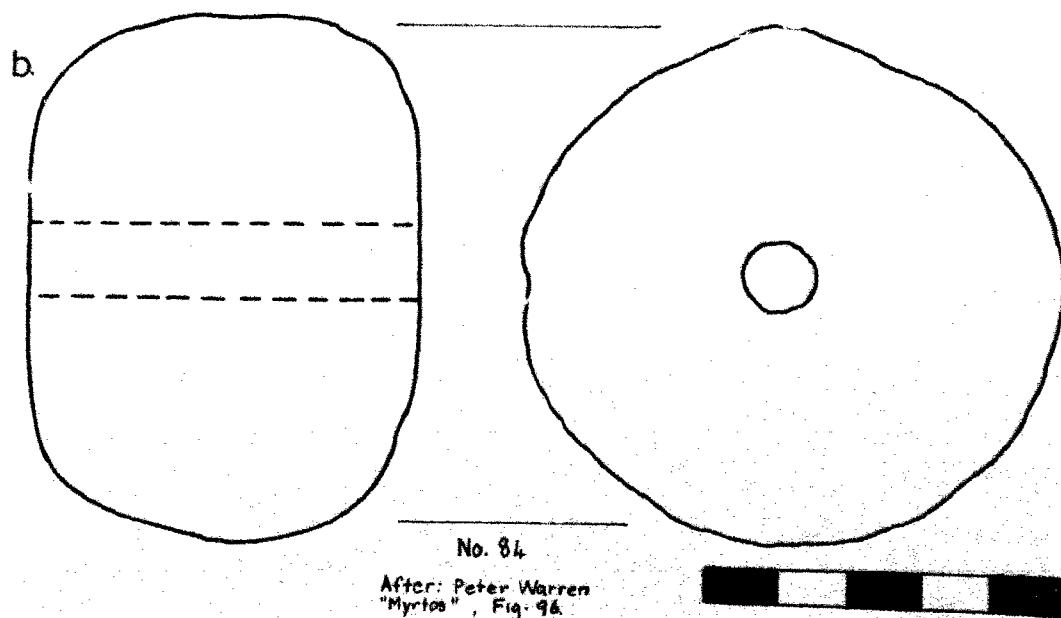


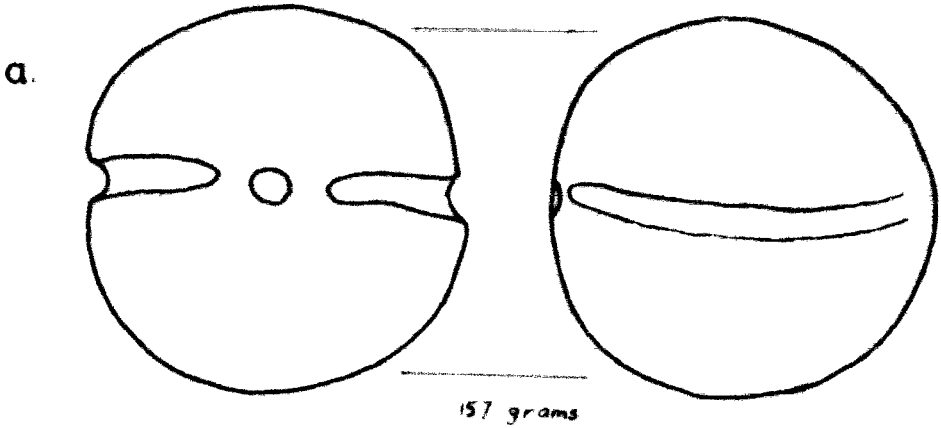
over 500 grams



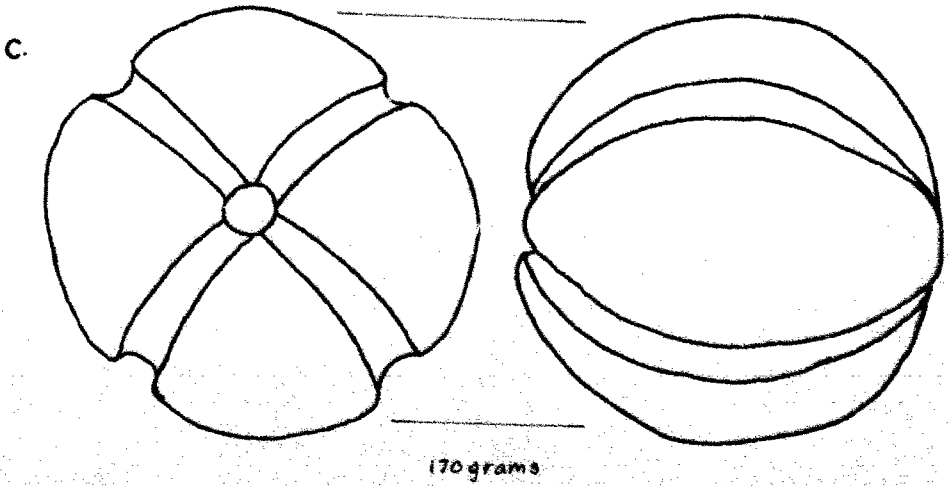
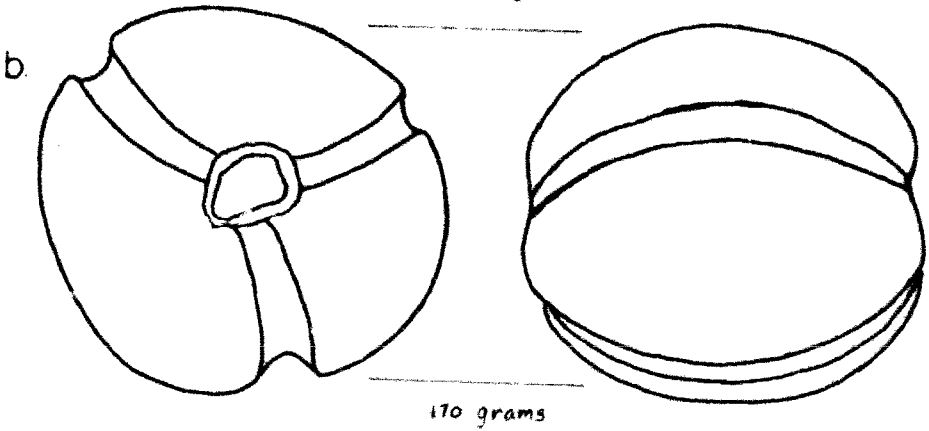


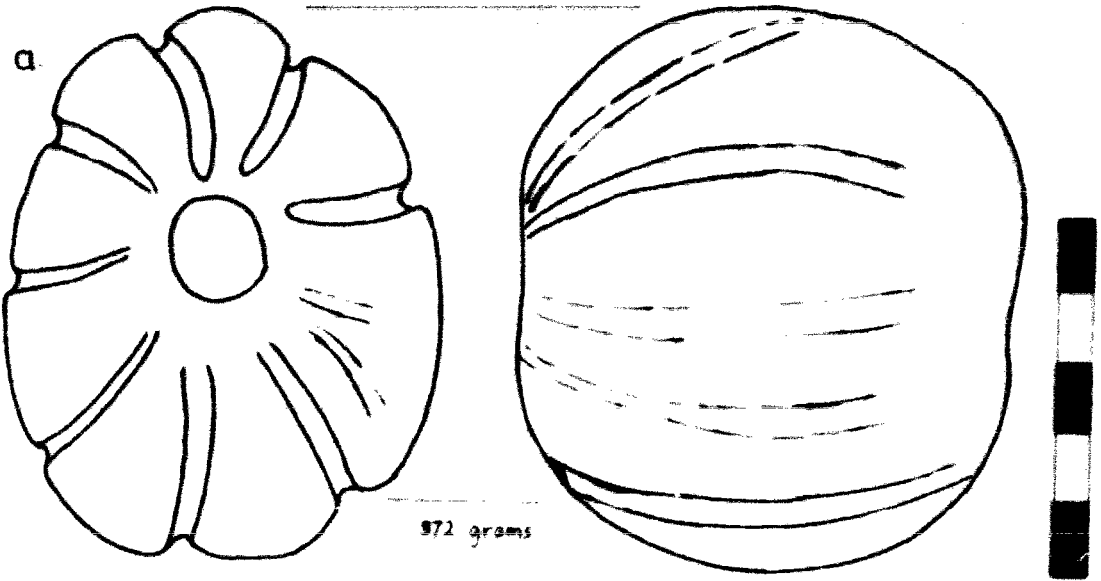
Myrtos
E.M. II



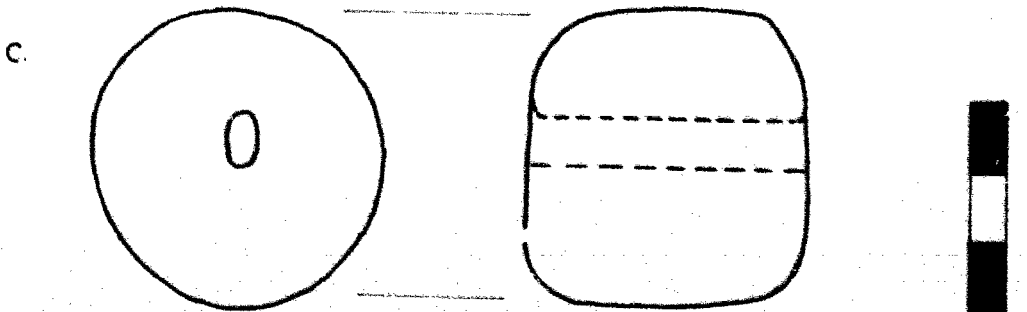
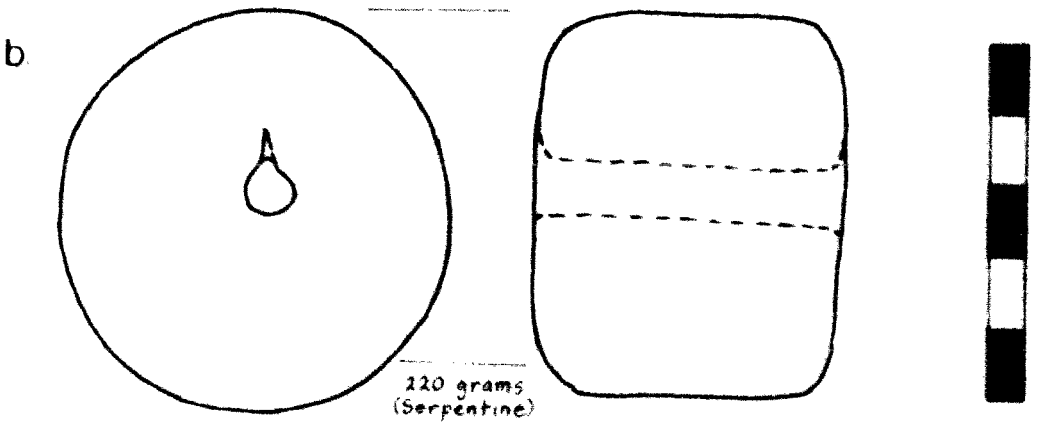


Knossos
Unexplored Mansion
L.M. II

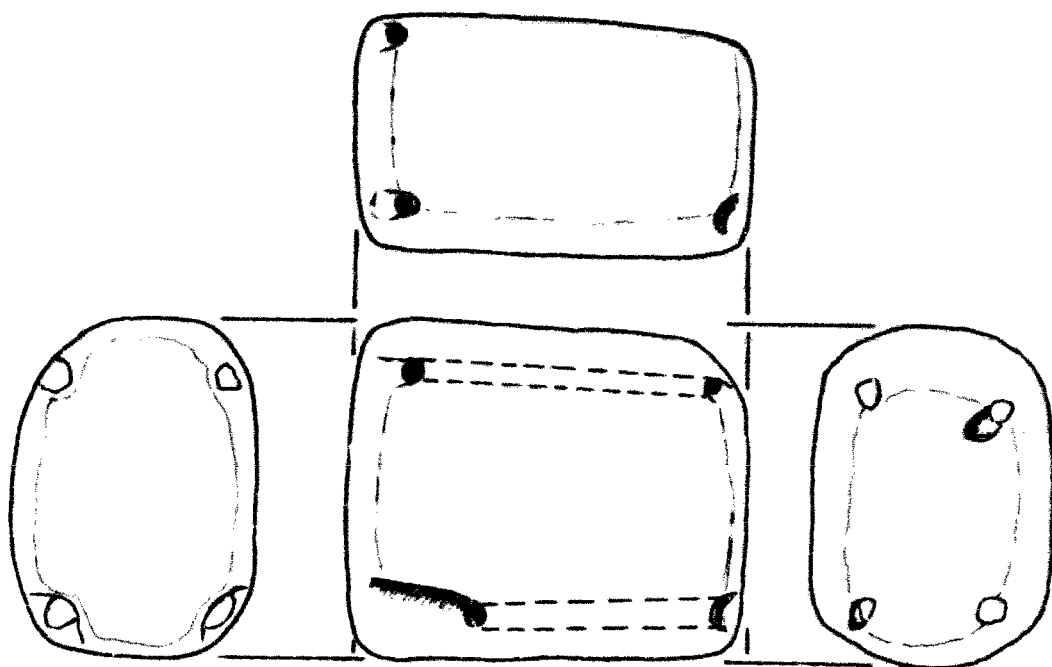




Knossos
Unexplored Mansion
L.M. II

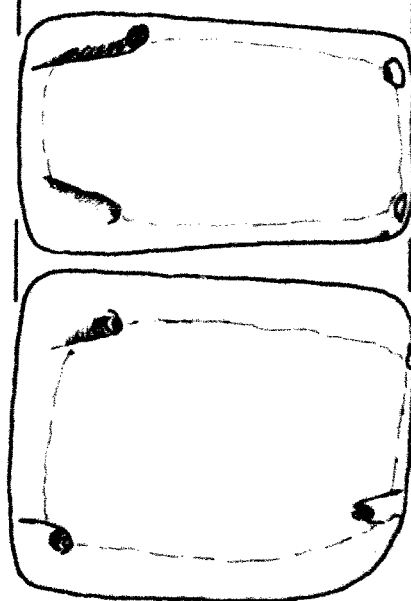
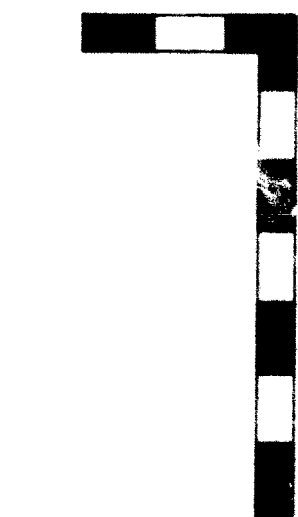


Gournia



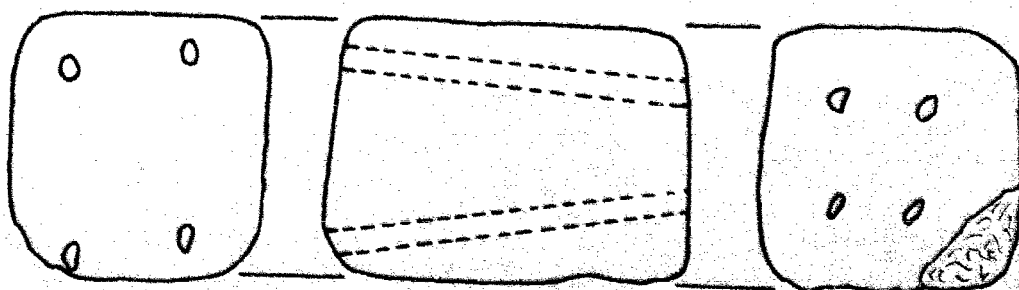
a. Palaikastro

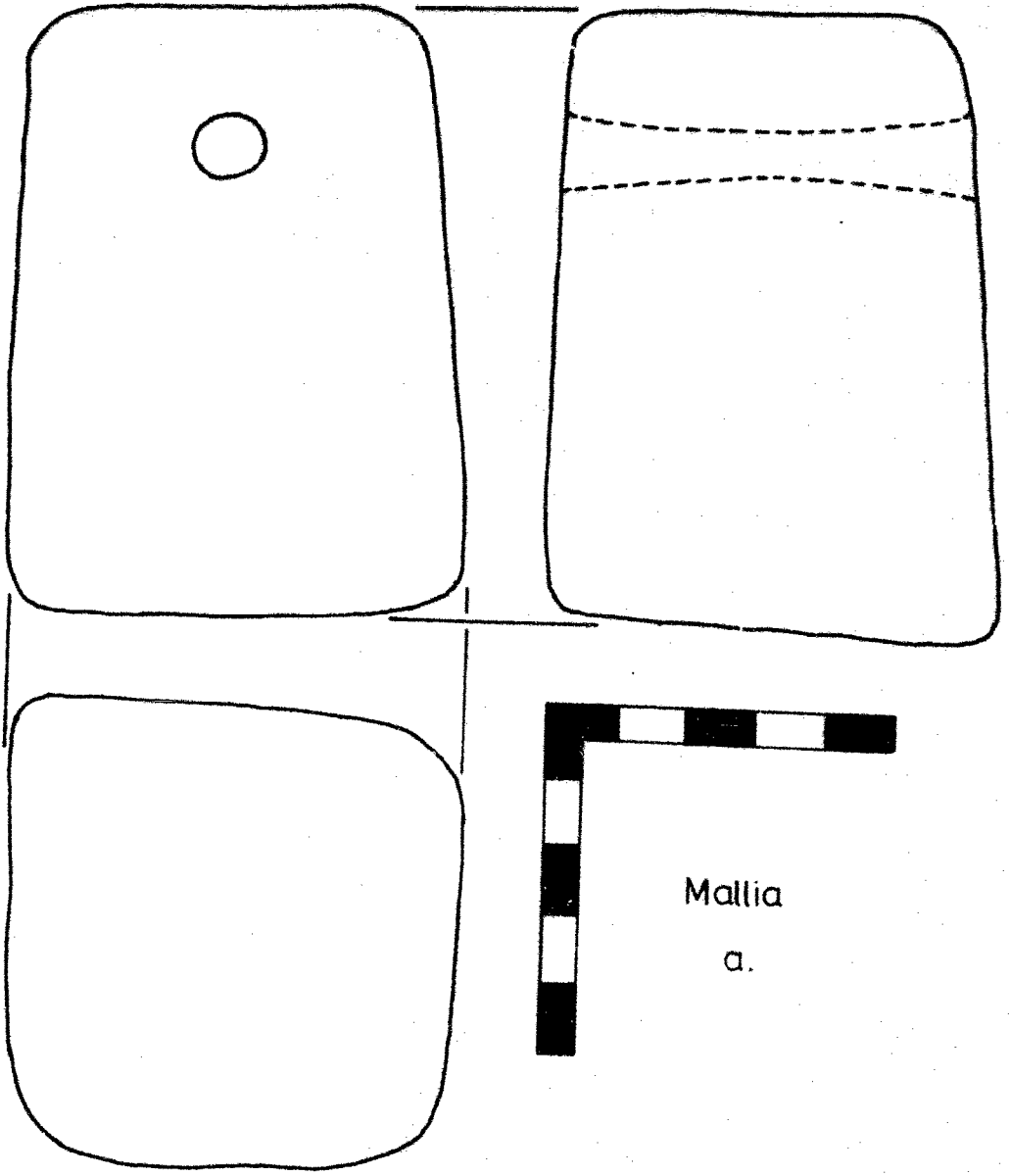
PK/63/173
Middle Minoan(?)
135 grams.



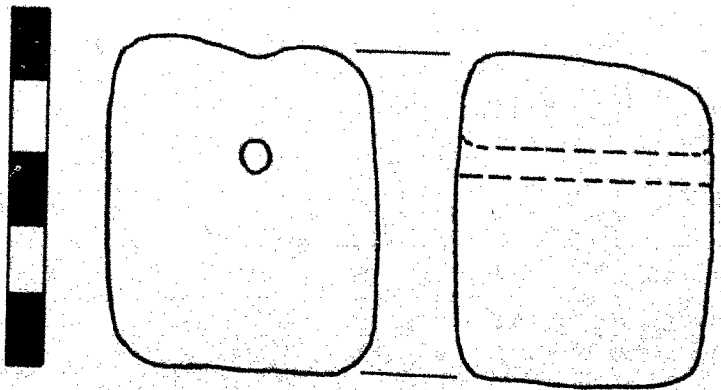
b. Palaikastro

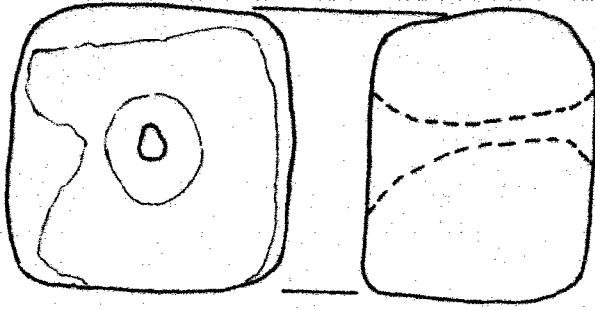
PK/63/159 Middle Minoan
117 grams.





Mallia
b.



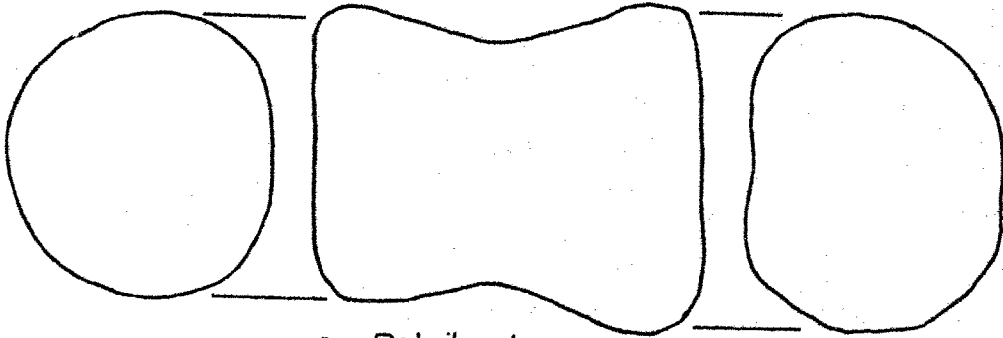
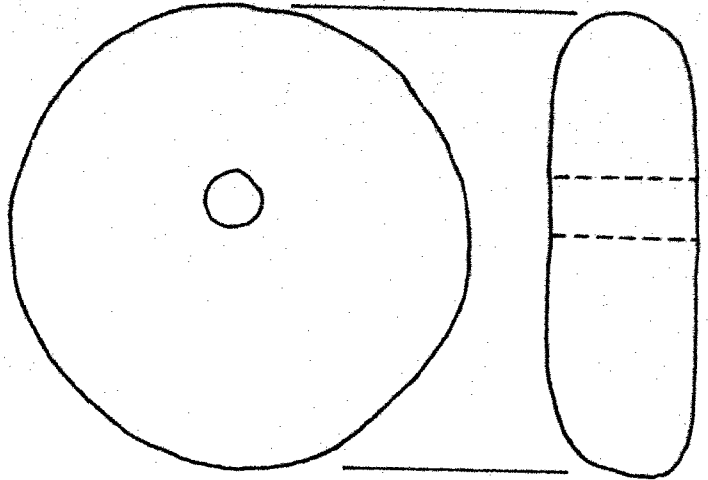


a. Palaikastro

PK/63/110
L.M.I - L.M.III
88 grams

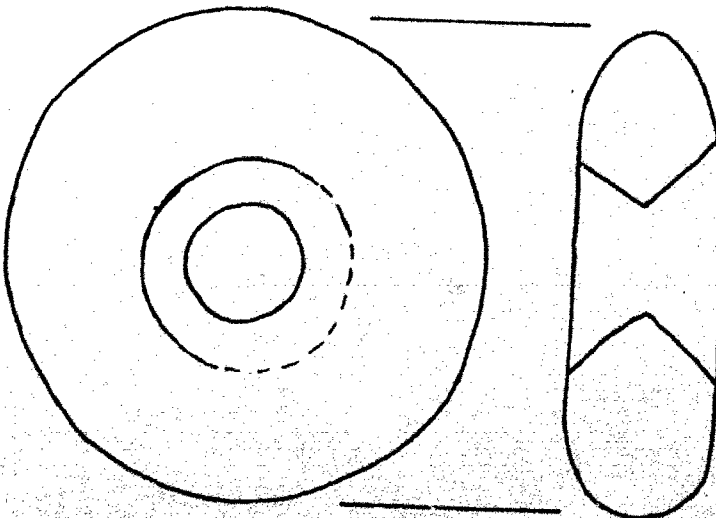


b. Mallia



c. Palaikastro

PK/63/77 L.M.I - L.M.III 115 grams



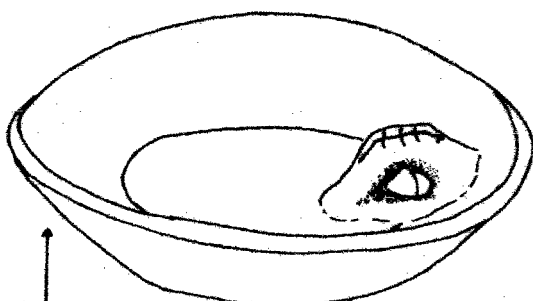
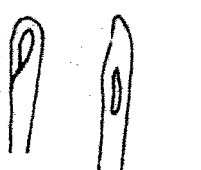
d. Myrtos

No. 212 (Stone)
After: Peter Warren
"Myrtos" Fig. 104





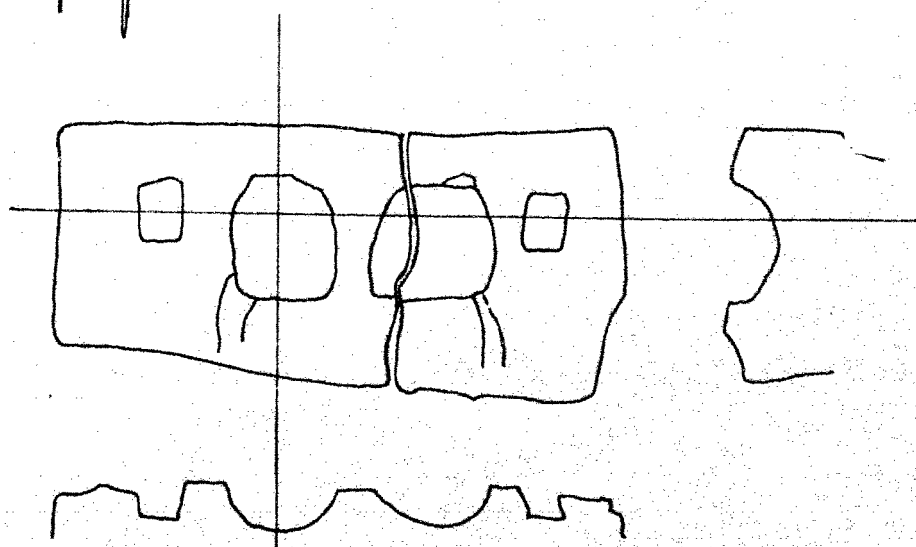
a. Aghia Triadha After: Luigi Savignoni,
"Scavi e Scoperte nella Necropoli di Phaeos" Fig. 33



b. Myrtos Pot 701
After: Peter Warren "Myrtos", Pl. 68 B

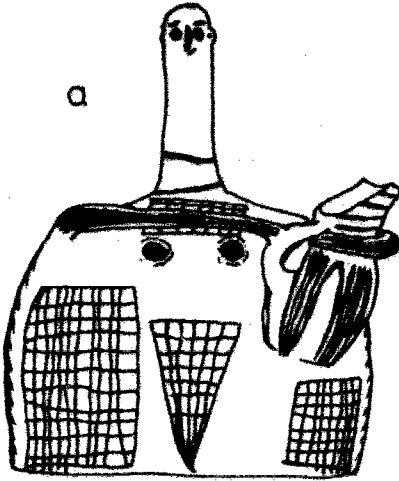


c. Gournia Nos. 38, 39
After: H. B. Hawes "Gournia" Pl. IV
Not to scale.

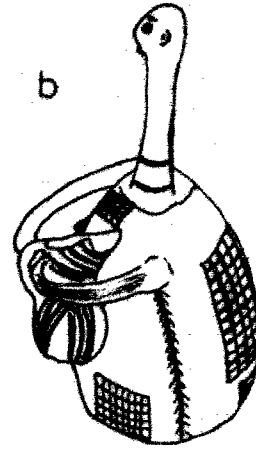


80 cms.

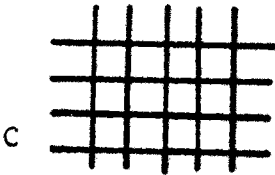
d. Aghia Varvara
After: Oliver Pelon, B.C.H. Vol. 90, 1966, Fig. 14



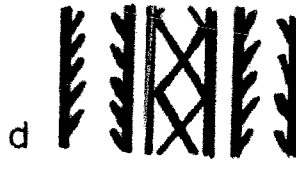
After Peter Warren "Myrtos"
Fig. 92 Scale approx 1:3



After Peter Warren "Myrtos"
Pl. 69 B Not to scale.



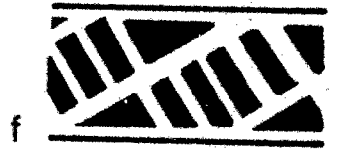
Myrtos E.M. II



Koumasa E.M. III



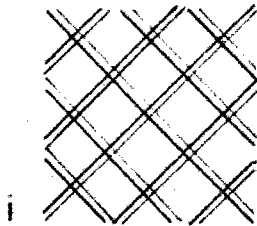
Mallia E.M. III.



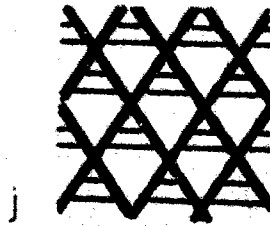
Snake Goddess, Knossos
MM IIIb



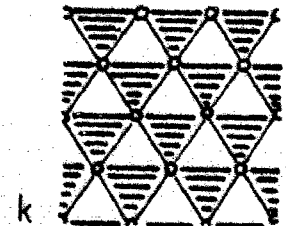
Mochlos E.M. III



Sacral Knot, Knossos
MM III



Snake Goddess's Votary
Knossos MM IIIb



Ladies in Blue, Knossos
MM IIIb
After P.M. II(2) Fig. 457a



Procession Fresco, Knossos, L. M. IIb
After P.M. II(2), Fig. 456c



a

Mallia E.M.III



b

Mochlos E.M.III



d

Snake Goddess, Knossos
M.M.IIIb



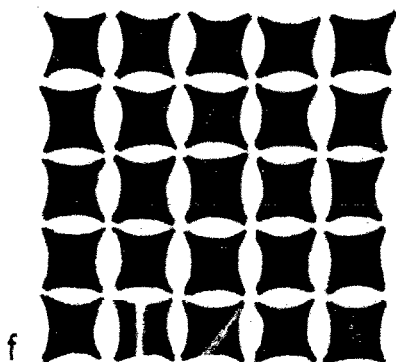
c

Mochlos E.M.III



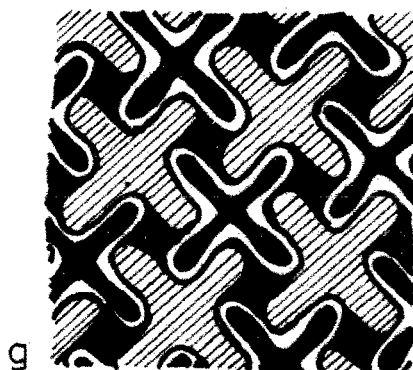
e

Snake Goddess, Knossos
M.M.IIIb



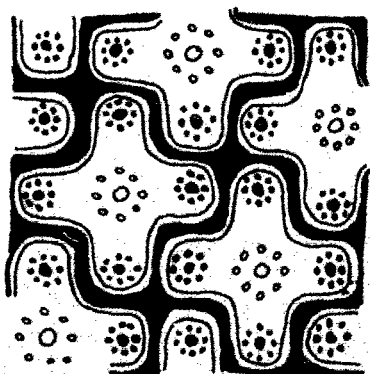
f

Little Priestess, Akrotiri, Thera
L.M.Ia



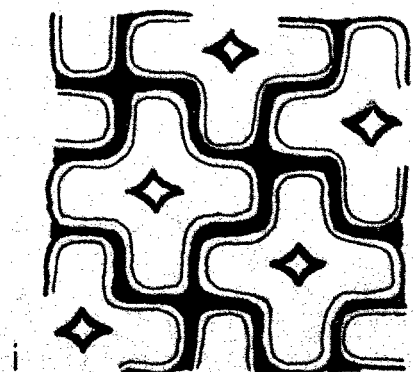
g

Aghia Triadha M.M.IIIb ?
After P.M.II(2) Fig 459a.



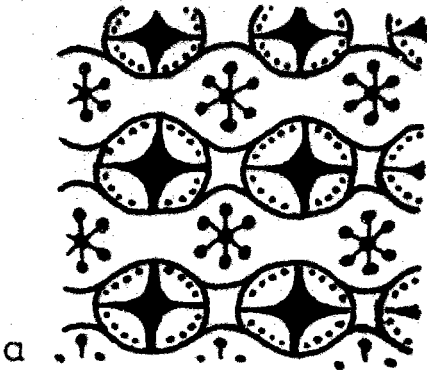
h

Cupbearer, Knossos, L.M.Ib
After P.M.II(2) Fig. 456c

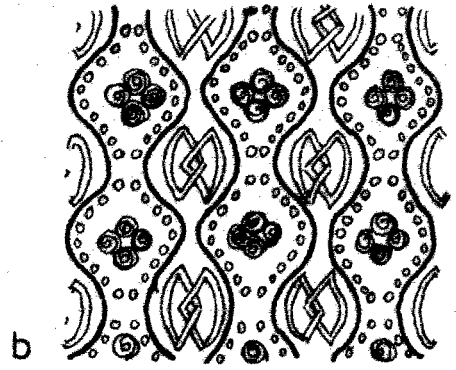


i

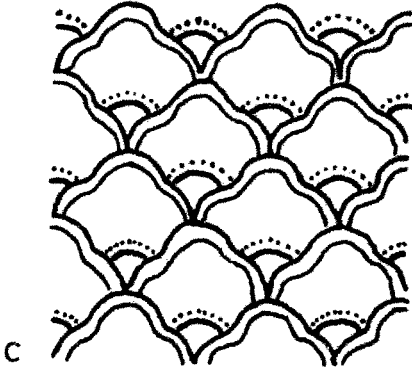
Procession Fresco, Knossos, L.M.Ib
After P.M.II(2), Fig 456d



Votive Girdle, Temple Repositories,
Knossos, M.M. III b.
After P. M. I., Fig. 364 c



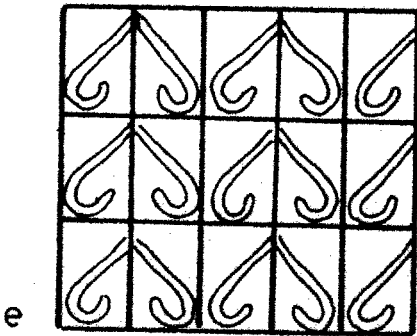
Pseira, L. M. I.
After P. M. II (1), Fig. 458.



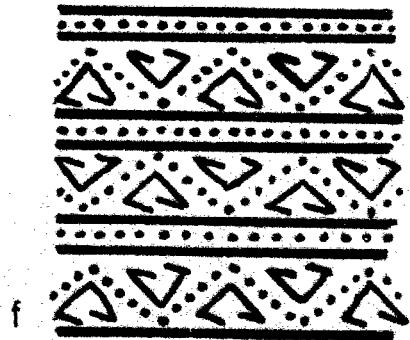
Ladies in Blue, Knossos, M.M. III b
After P. M. II (2), Fig. 457 b



Procession Fresco, Knossos, L. M. Ib
After P. M. II (2), Fig. 456 b



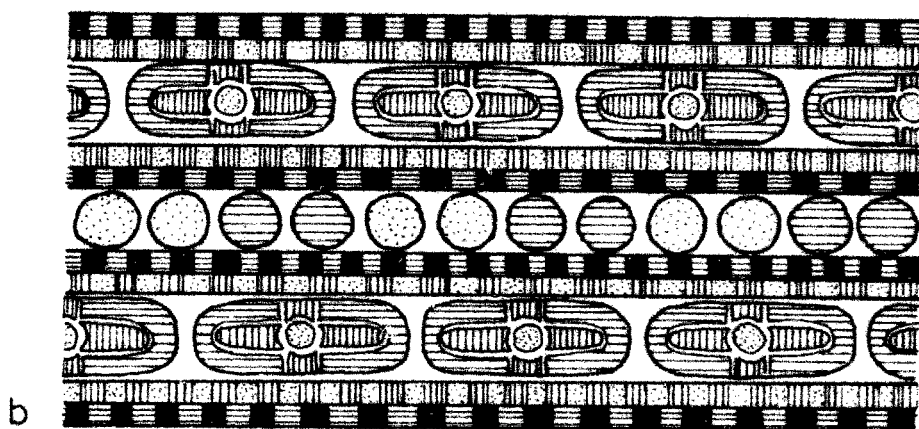
Procession Fresco, Knossos, L. M. Ib
After P. M. II (2), Supplementary
Plate xxv



Stucco fragment, Knossos, L. M. Ib
After P. M. II (2) Fig. 455.



Votive Robe, Temple Repositories,
Knossos M.M. IIIb
After P. M. I., Fig. 364 a



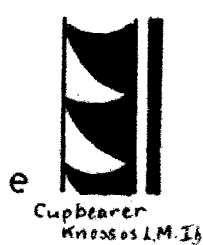
Procession Fresco, Knossos. L.M. Ib, After P. M. II(2), Fig. 456 a.



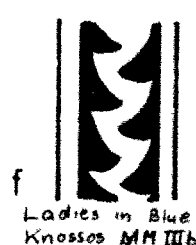
Mallia E.M. III



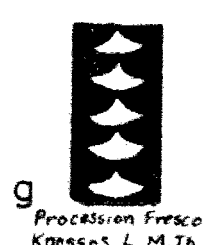
Dancing Girl
Knossos L.M. Ia



Cupbearer
Knossos L.M. Ib



Ladies in Blue
Knossos M.M. IIIb



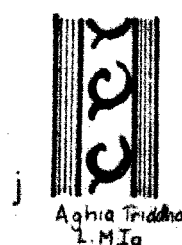
Procession Fresco
Knossos L.M. Ib



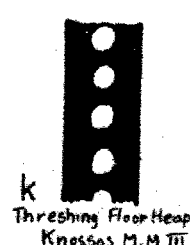
Snake Goddess
Knossos M.M. IIIb



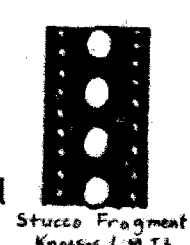
Ladies in Blue
Knossos M.M. IIIb



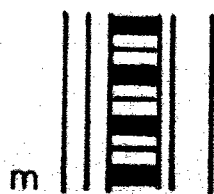
Aghia Triadha
L.M. Ia



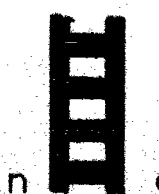
Threshing Floor Heap
Knossos M.M. III



Stucco Fragment
Knossos L.M. Ib



Miniature Frescoes
Procession Fresco
La Parisienne
Knossos M.M. IIIb - L.M. Ib



Captain of the
Blacks, Knossos
L.M. II



Miniature Frescoes



Aghia Triadha Sarcophagus
L.M. III



Aghia Triadha Sarcophagus
L.M. III

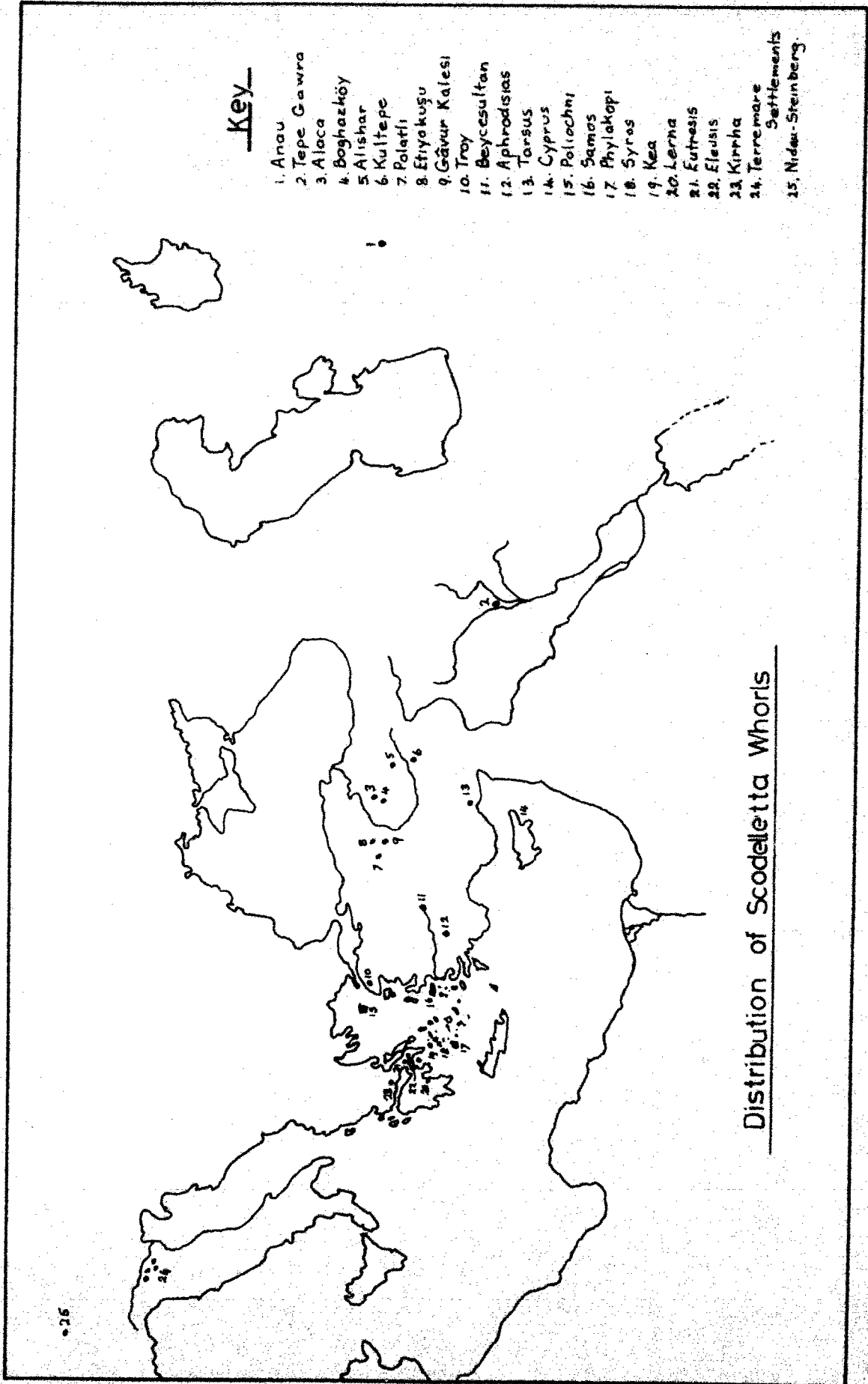


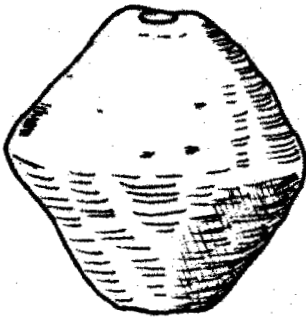
Aghia Triadha Sarcophagus
L.M. III



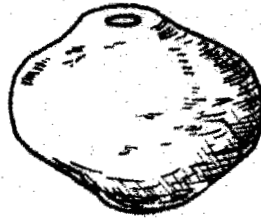
FIG. 59 - SOURCES.

- a) ALACA.
After H. J. Koşay "Ausgrabungen von Alaça Höyük - 1936", 1944, Pl. 150.
- b) KULTEPE.
After Ernest Chantre "Mission en Cappadoce 1893 - 1894", 1898, Pl. VI, No. 1. (Pl. VI is mis-printed as Pl. IV).
- c) LERNA.
L4.326 - original drawing.
- d) TROY IV.
After C. Blegen et al. "Troy Vol. II", 1951, Pl. 152, No. 37.7.
- e) ALISHAR.
After E. F. Schmidt "The Alishar Höyük. Seasons of 1928 and 1929 - Part I", 1932, p. 204, Fig. 262, No. b 2468.
- f) KEA.
K-.135 - original drawing
- g) TARSUS.
After H. Goldman "Tarsus Vol. II", 1956, Pl. 446, No. 49.
- h) ALACA.
After H. J. Koşay 1944 op. cit., Pl. 150.
- i) EUTRESIS.
After H. Goldman "Excavations at Eutresis in Boeotia", 1931, Pl. XIX, No. 2.
- j) SAMOS.
After V. Milojević "Samos Band I - Die Prähistorische Siedlung unter dem Heraion. Grabung 1953 und 1955", 1961, Pl. 23, No. 6.
- k) SYROS.
After C. Tsountas, A.E. 1899, Pl. 10, No. 6.
- l) TROY.
After C. Blegen et al. 1951 op. cit., Fig. 153, No. 36-352.
- m) BEYCESULTAN.
After Seton Lloyd and James Mellaart "Beycesultan Vol. I", 1962, p. 278, Fig. F.6, Level VIII, No. 1.
- n) TROY.
After C. Blegen et al. 1951 op. cit., Fig. 153, No. 33-102.
- o) ANAU.
H. Schmidt in R. Pumpelly "Excavations in Turkestan - Vol. I", 1908, p. 165, Fig. 375.
- p) TERREMARE.
After G. Sæflund "Le Terremare", 1939, Pl. 42, No. 8.
- q) NIDAU-STEINBERG.
After F. Keller "The Lake Dwellings of Switzerland", 1866, Pl. XXXVII, No. 21.
- r) TEPE GAWRA.
After A. J. Tobler "Excavations at Tepe Gawra - Vol. II", 1950, Pl. CLV, No. 40.
- s) TROY.
C. Blegen et al. "Troy Vol. I", 1950, Fig. 366, No. 35-220.
- t) TEPE GAWRA.
After A. J. Tobler 1950 op. cit., Pl. LXXXV, No. 5.

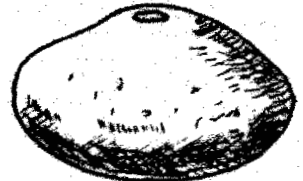




m



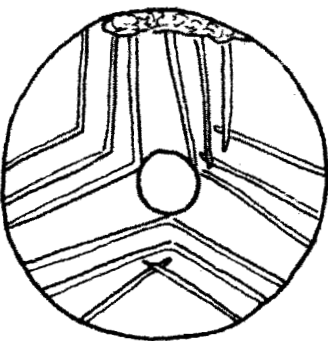
o



n

Vardaroftsa

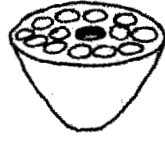
After: W.A. Heurtley "Prehistoric Macedonia" Fig. 83. Scale 1:1



a

Kirrha

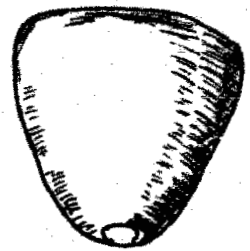
Scale 1:1



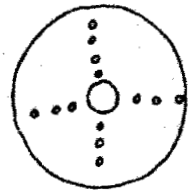
b

Asine

After: O. Frödin and A. Persson "Asine" Fig. 177 No scale.



2



d

Bulgaria

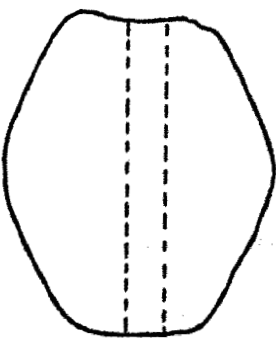
After: V. Mixov and N. Djambazov "The Devetaki Cave" Pl. 86. No scale



c

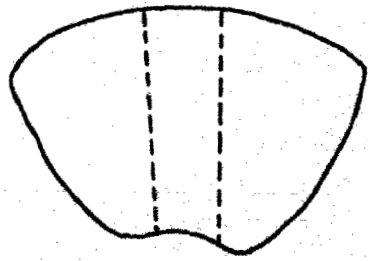
Malthi

After: N. Valmin "The Swedish Messenia Expedition" Fig. 71 A(c) Scale 1:3



e

N. 648

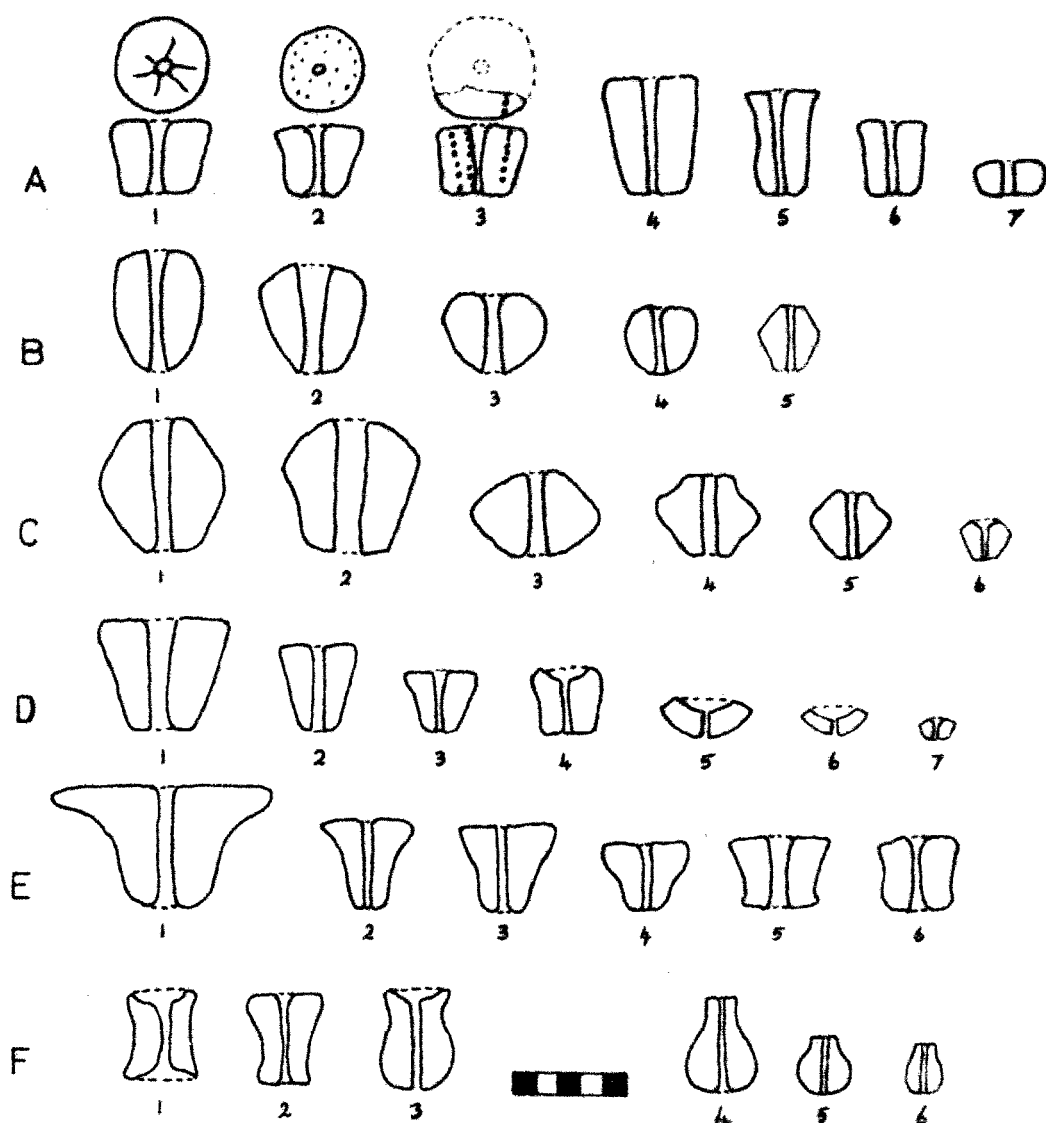


f

Nichoria

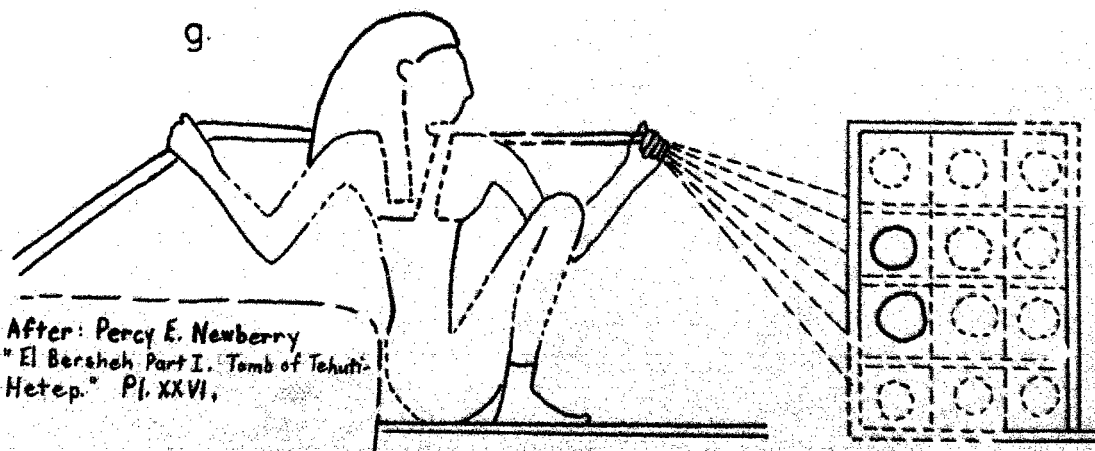
Scale 1:1

N. 185



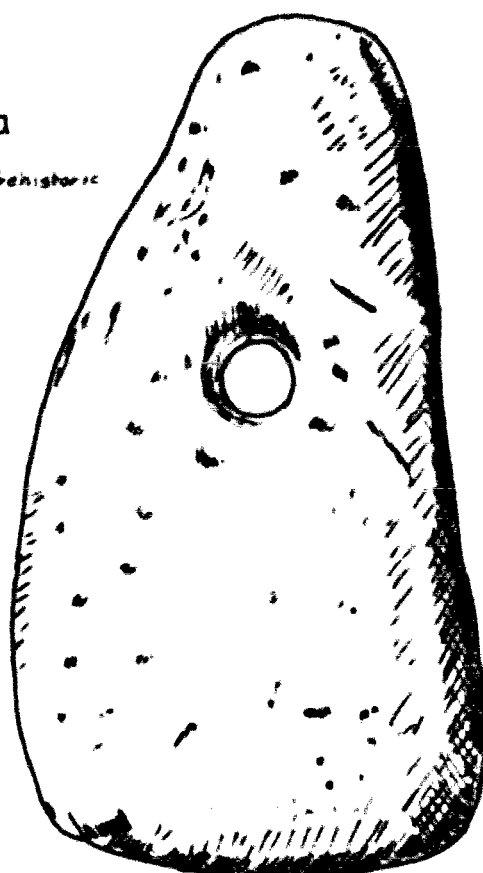
Malthi

After: N Valmin "The Swedish Messenia Expedition"
Fig. 71.

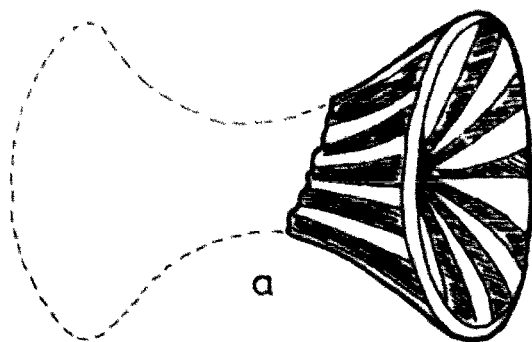


Vardaroftsa

After: W.A. Heurtley *Prehistoric Macedonia* Fig. 85

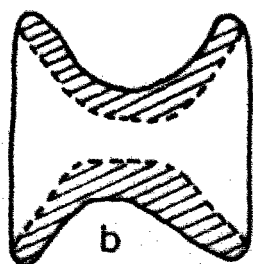


t

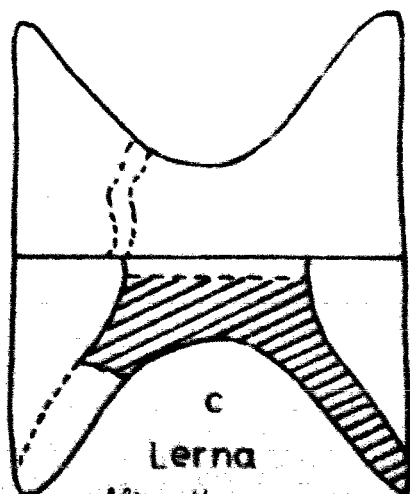


Phylakopi

Sketch only. Scale approx. 1:1
On display in National Archaeological
Museum, Athens. Case 64

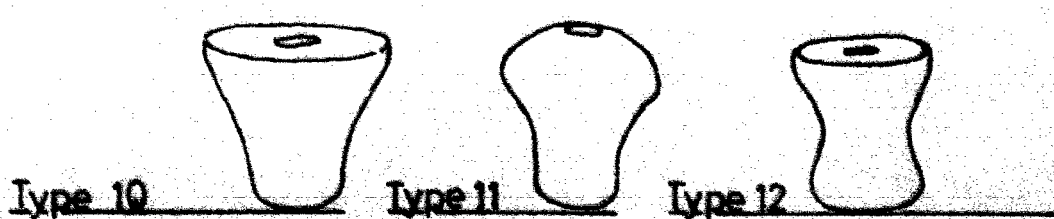
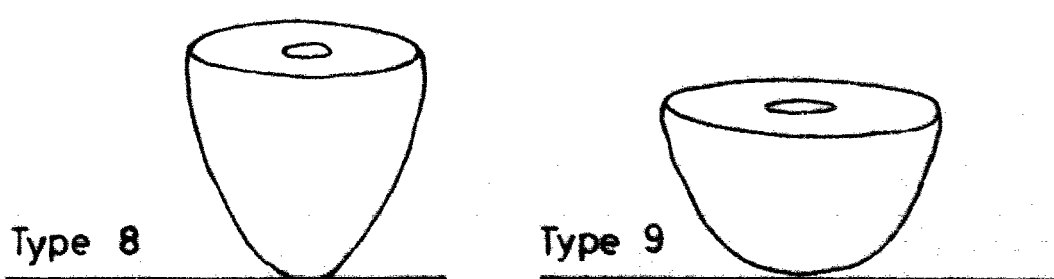
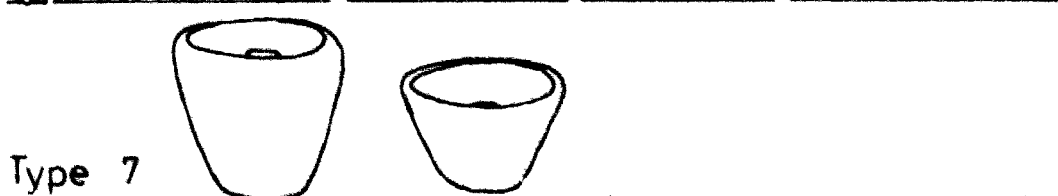
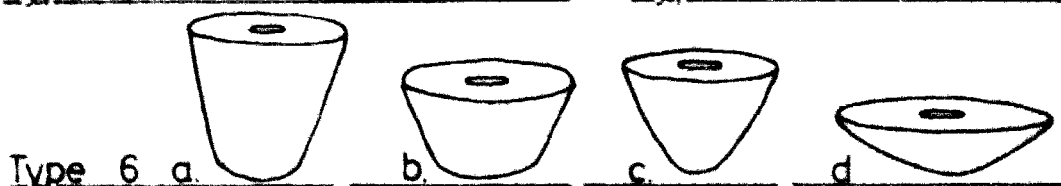
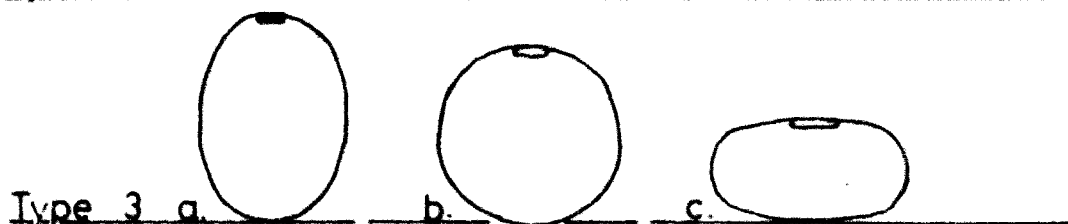
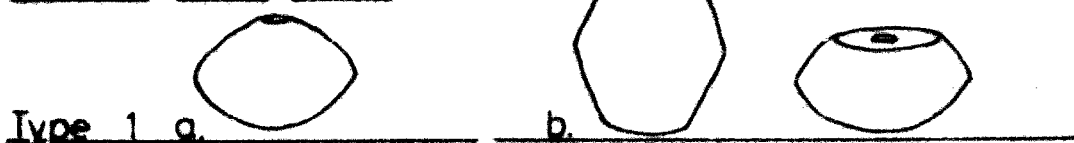


Lerna
L. 4. 21



Lerna

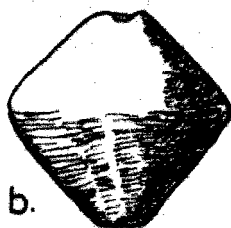
After: *Hesperia*
Vol. XXVI 1957
Fig. 3 (centre) p. 147

Nichoria Whorl Types

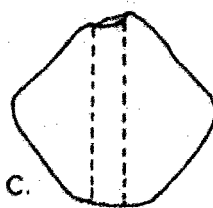
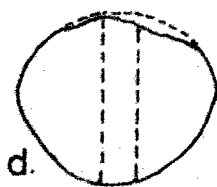
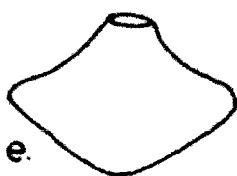
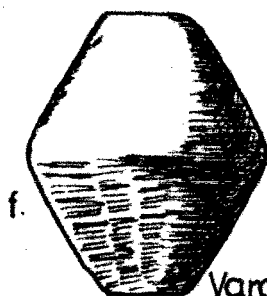


a. Vardino

After: W. A. Heurtley,
"Prehistoric Macedonia"
Fig. 104 h, c. Late Bronze
Age.

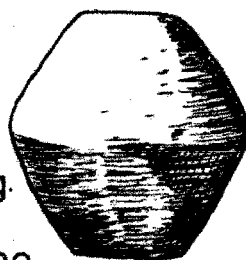


b. Vardaroftsa

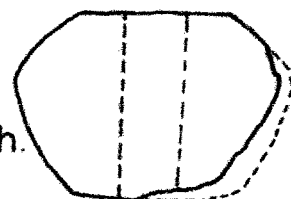
c. Nichoria
N 86
L.H. I-IIId. Nichoria
N 47
L.H. IIIae. Lerna
L 7. 101
Undated

f. Vardino

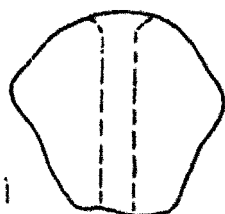
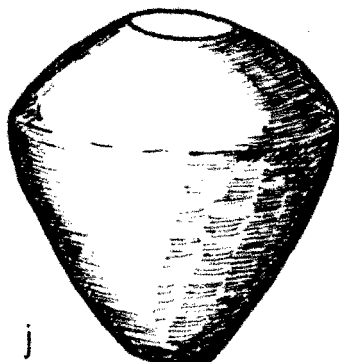
After: W. A. Heurtley, "Prehistoric Macedonia"
Fig. 104, f, i, Late Bronze Age



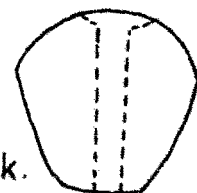
g.



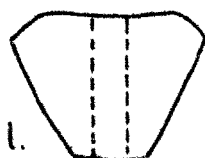
h.

Nichoria
N 92
L.H. I-II?i. Nichoria
N 88
L.H. I-IIb.

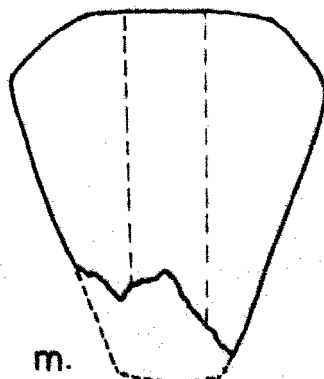
j.

Nichoria
N 81
L.H. IIq-b
broken - sketch reconstruction

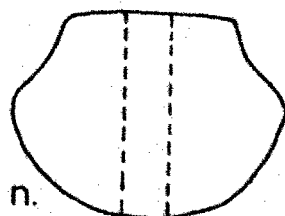
k.

Menelaion
SM/74/107
L.H. IIb-IIIa:1

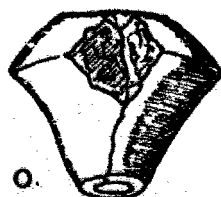
l.

Nichoria
N 102
L.H. IIIa:2 - late

m.

Nichoria
N 154

n.

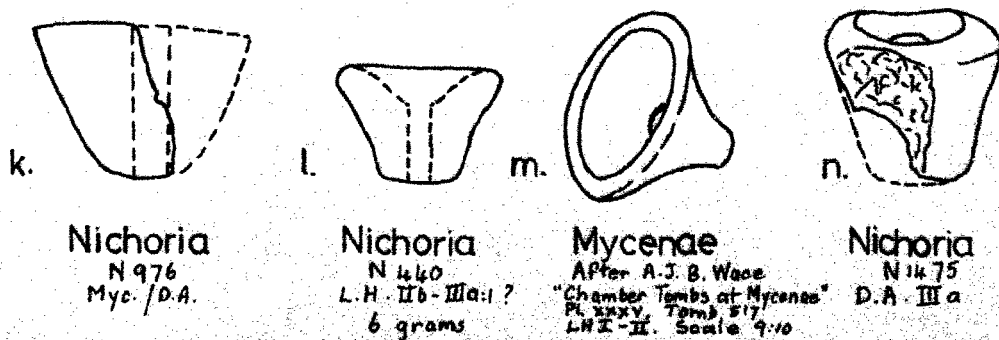
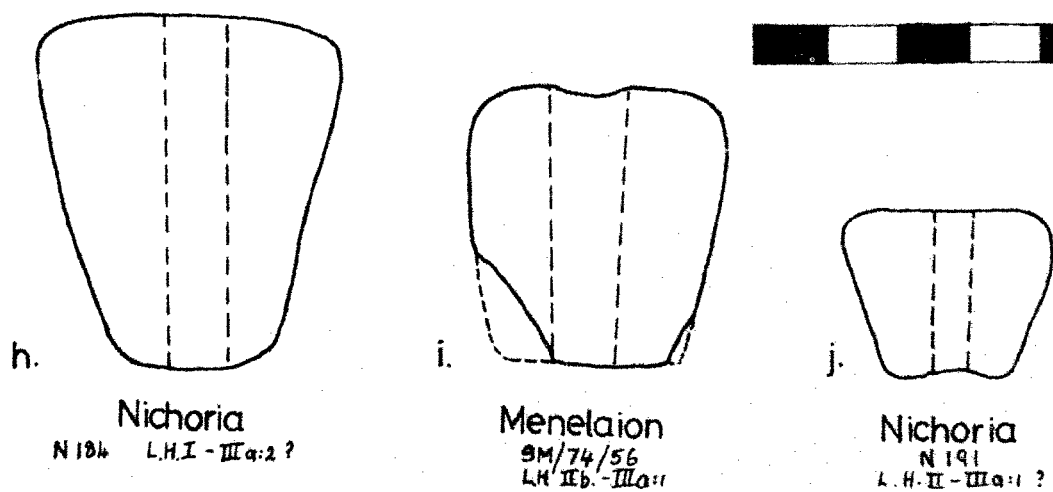
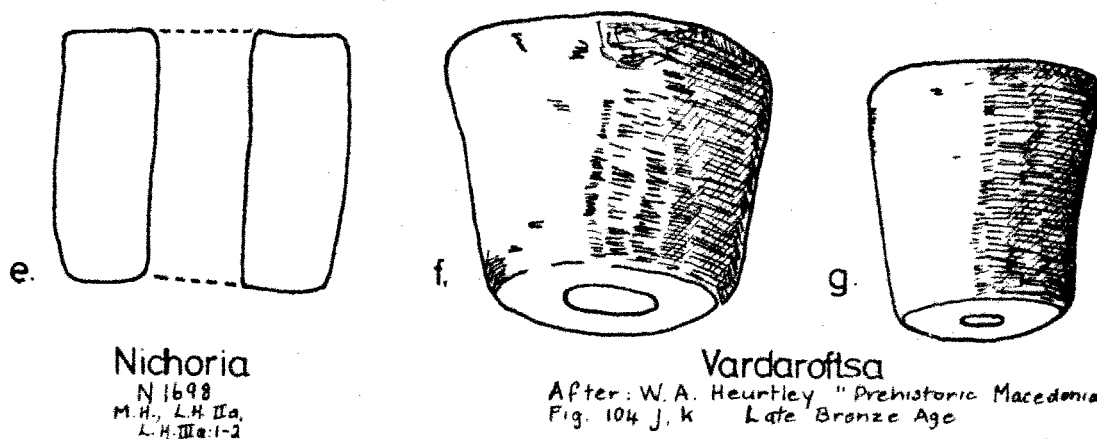
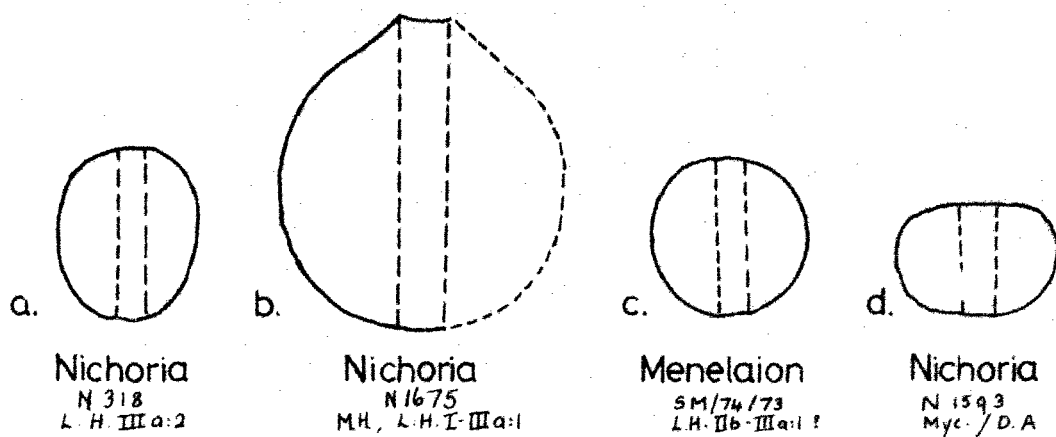
Lerna
L 5. 323
Undated

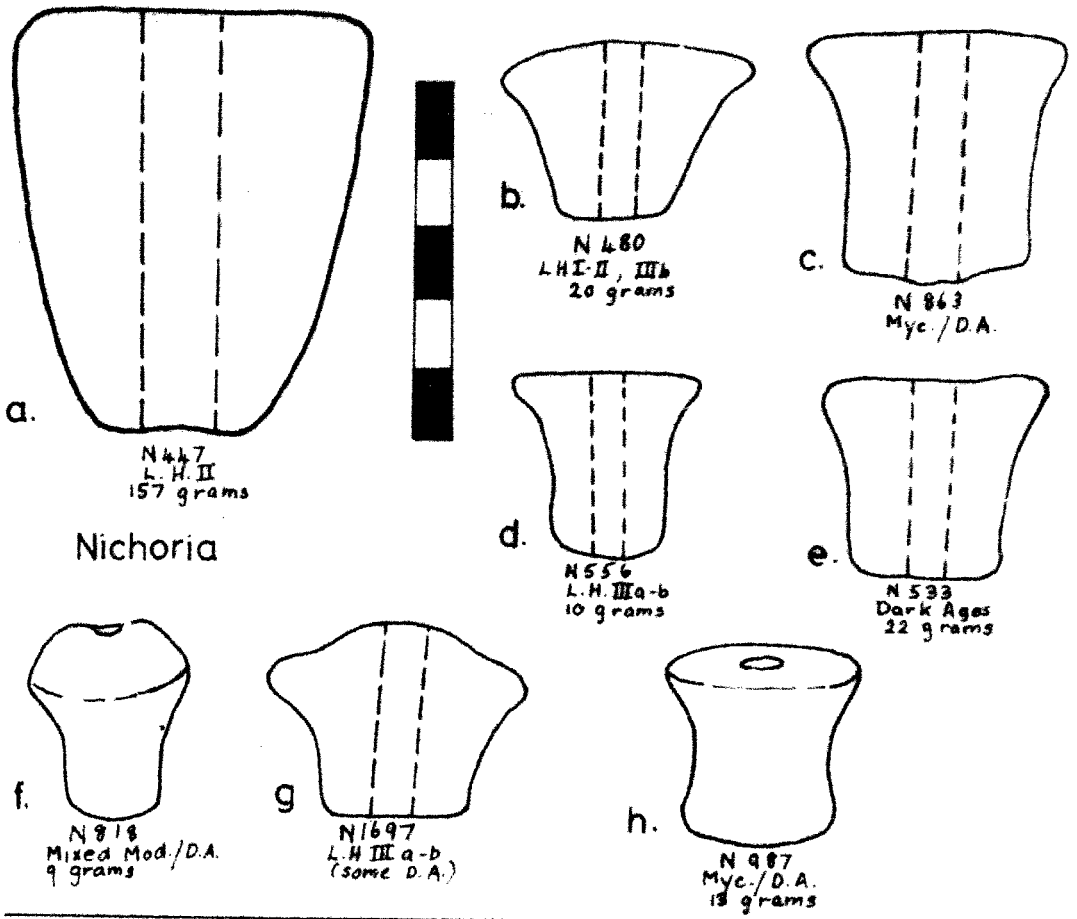
o.

Prasymna
Sketch Only
Approx. III
On display in Naefion Museum
L.H. I-II?

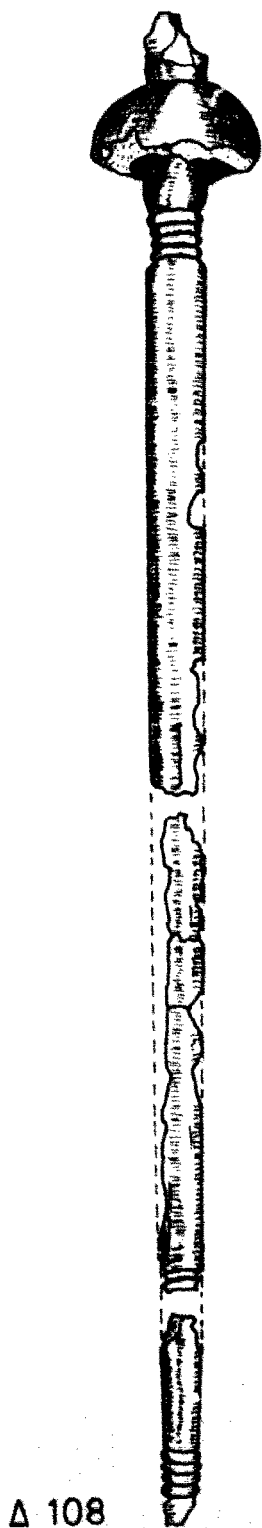
p.

Menelaion
SM/74/108
L.H. IIb-IIIa:1

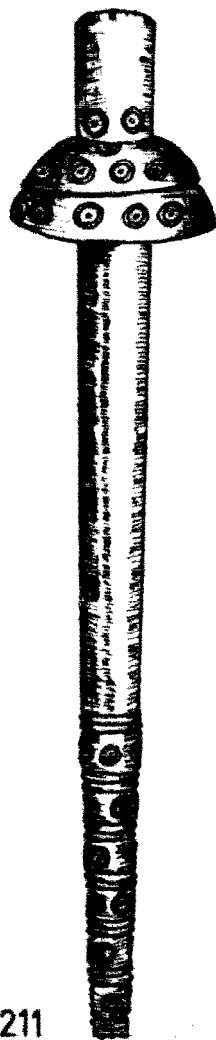




Perati



Δ 108



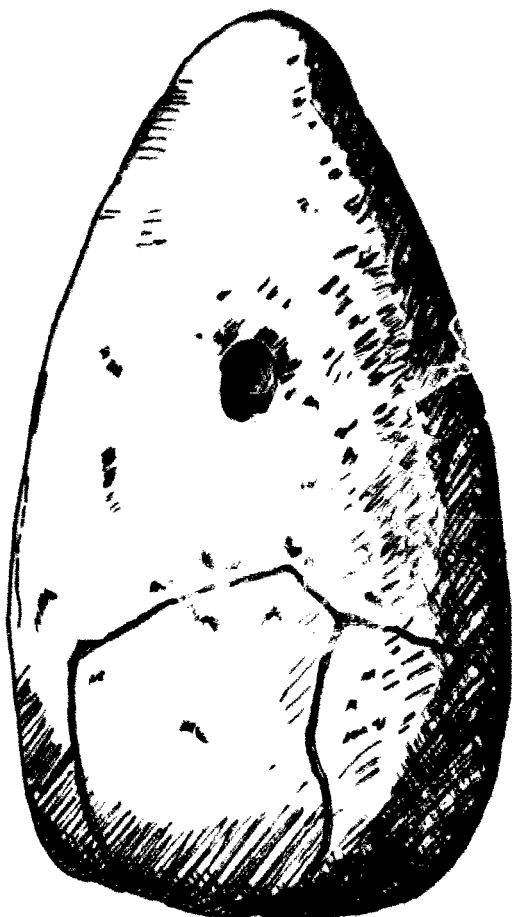
Δ 211



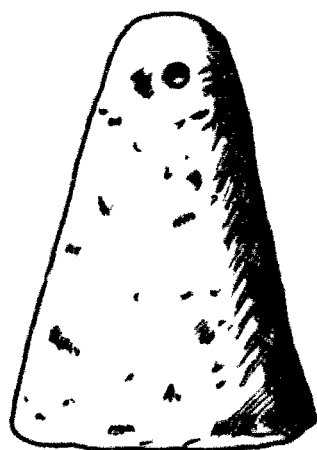
After: Σ. Ε. Ιωαννίδης "ΠΕΡΑΤΙ"
Vol. B', Fig. 156.

Vardaroftsa

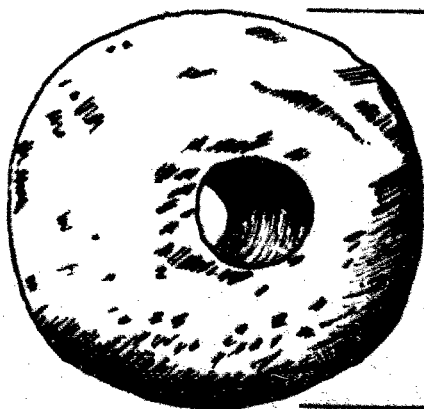
After: W.A. Heurtley
 "Prehistoric Macedonia" Fig. 104



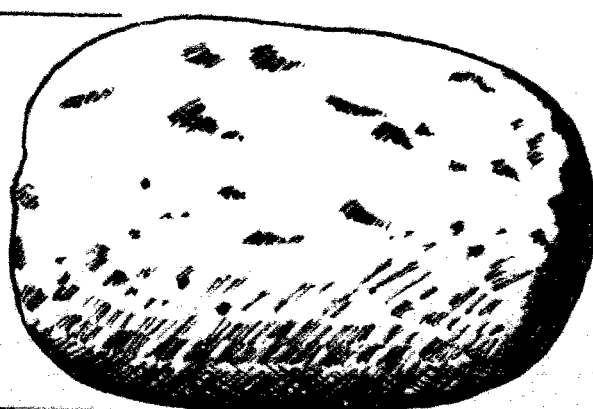
r



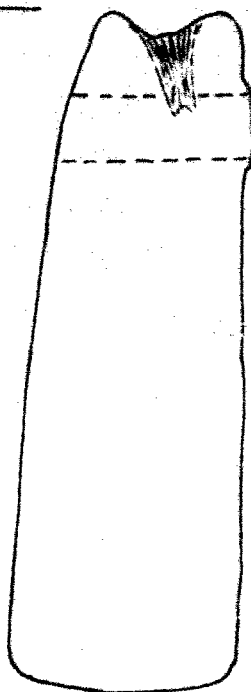
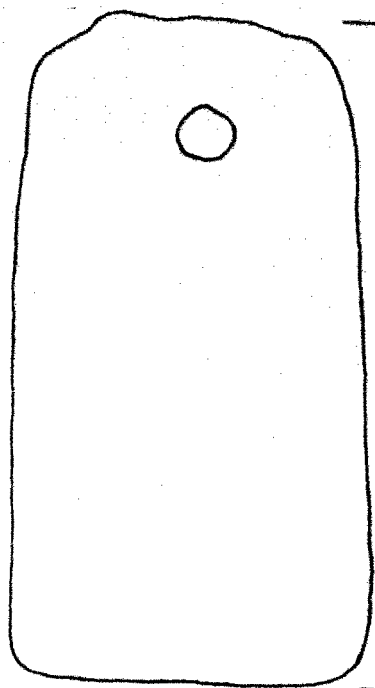
s



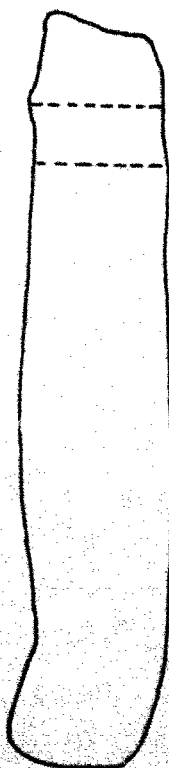
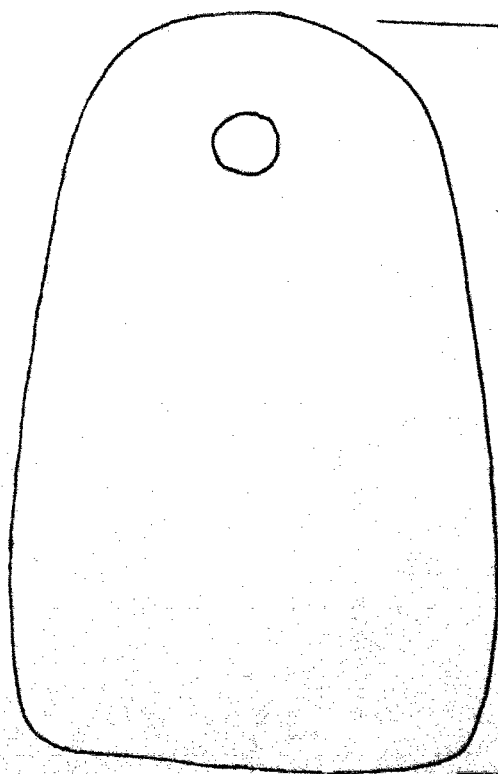
q



Nichoria

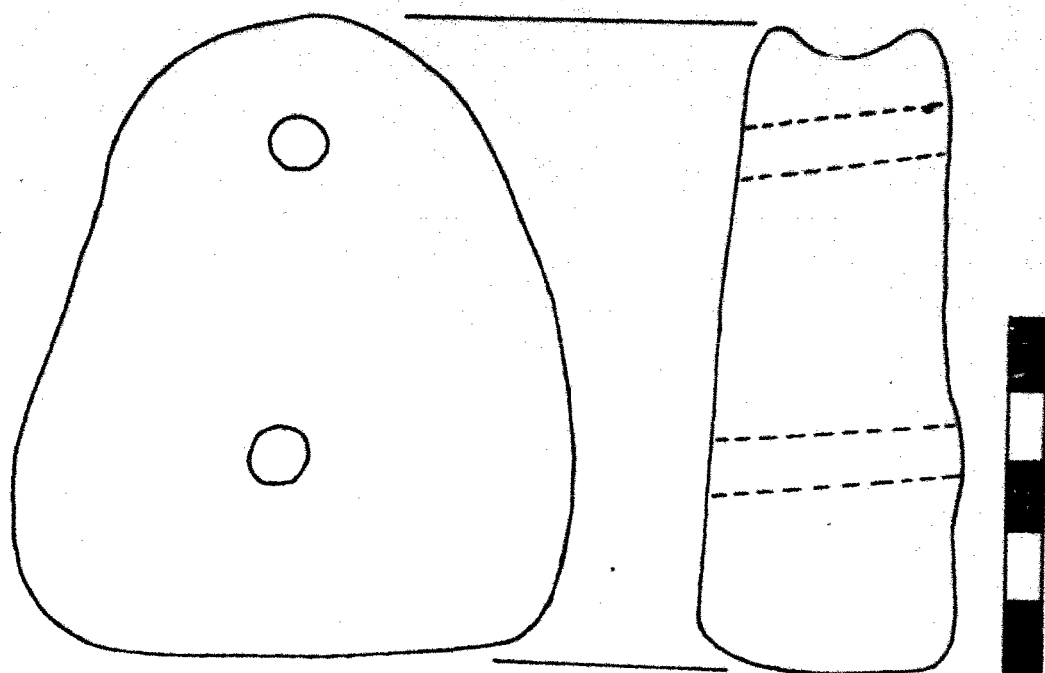


a. N14
L.H. IIa-b
204 grams

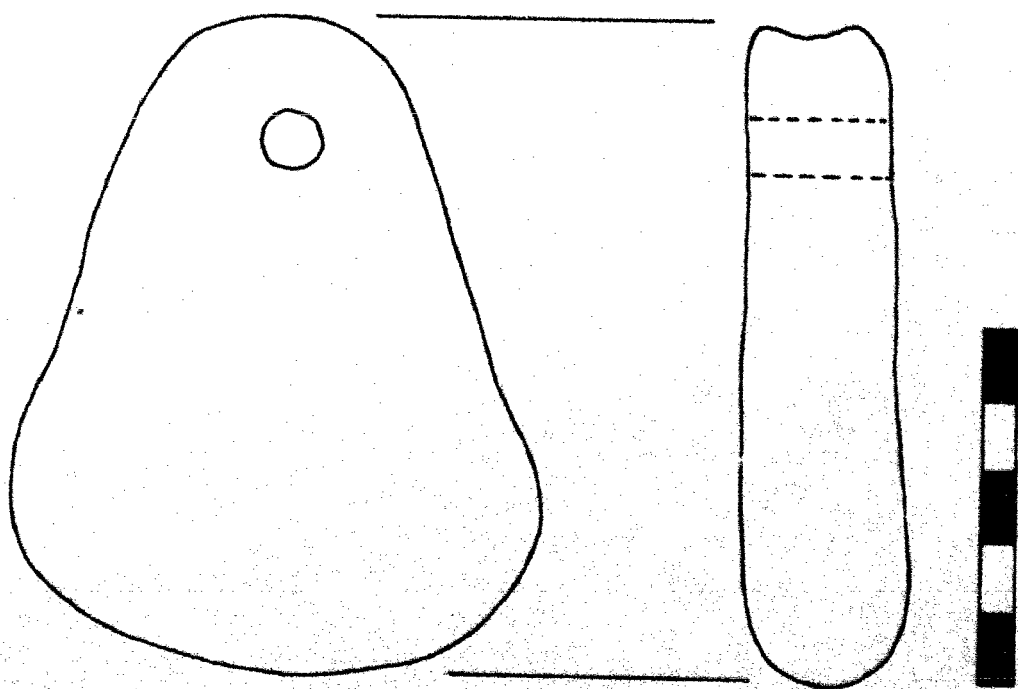


b. N 4
L.H. II-IIIa:1 (+2?)
208 grams

Nichoria

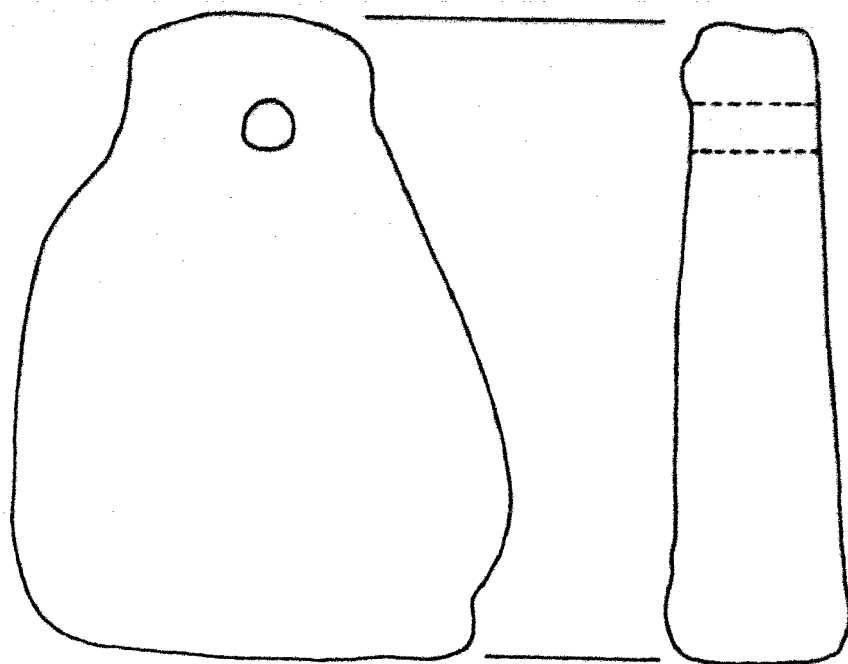


a. N8
L.H. II-IIIa:1 (+2?)
294 grams

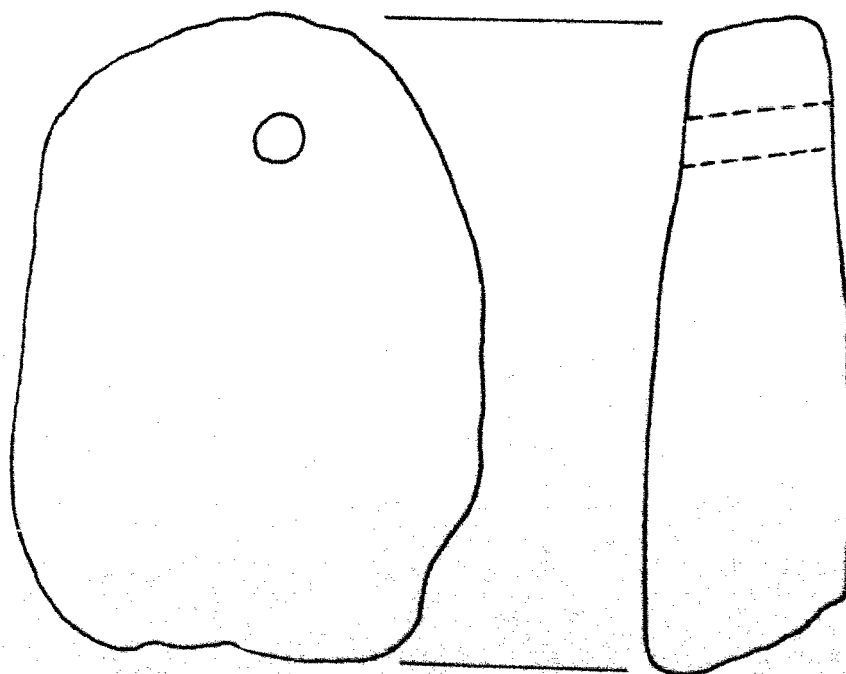


b. N5
L.H. II-IIIa:1 (+2?)
172 grams

Nichoria

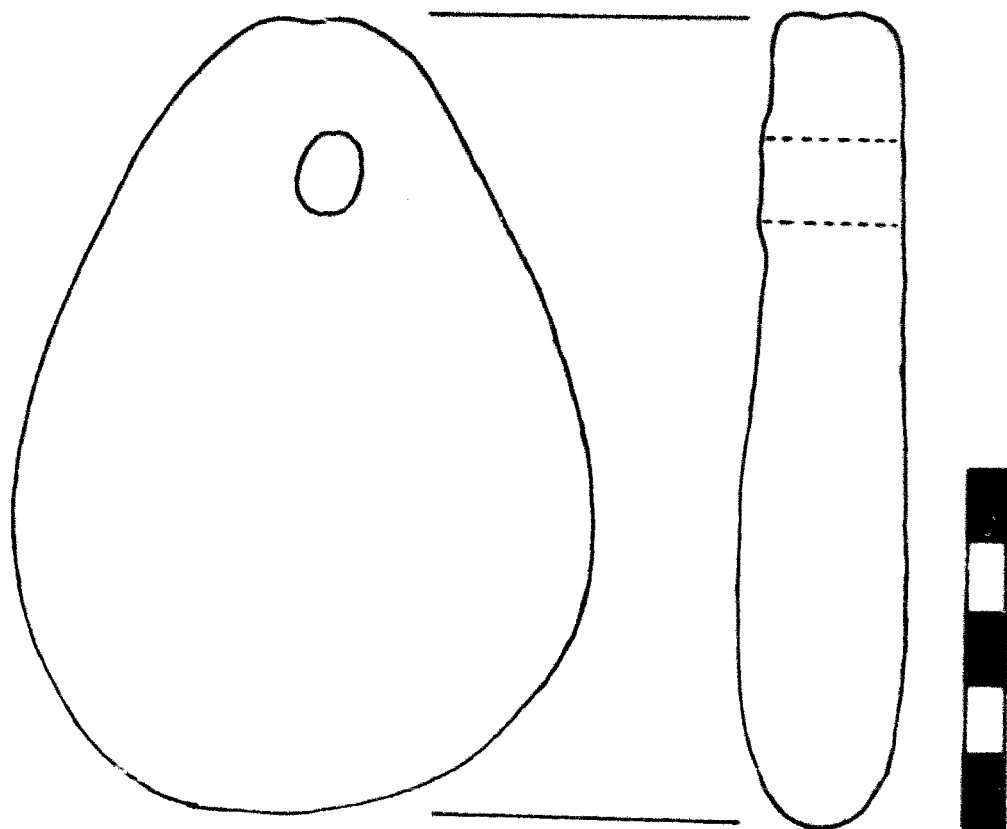


a. N9
L.H. II - IIIa:1 (+2?)
184 grams

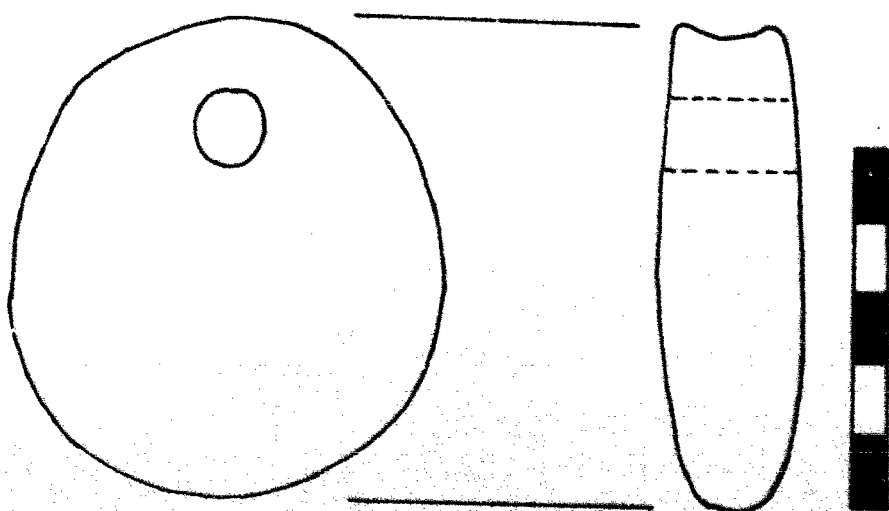


b. N11
L.H. II - IIIb
197 grams

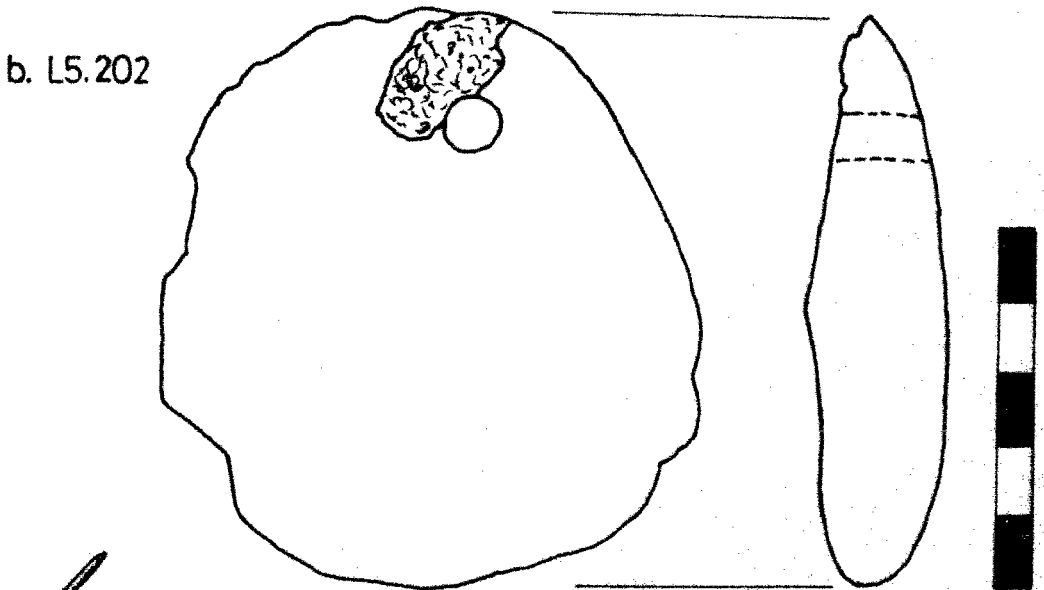
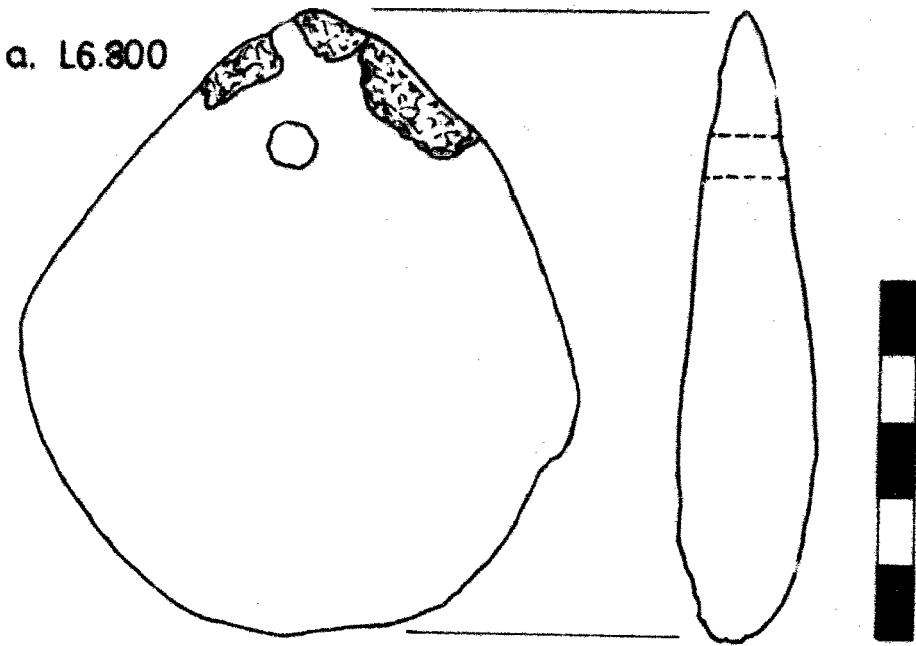
Lerna



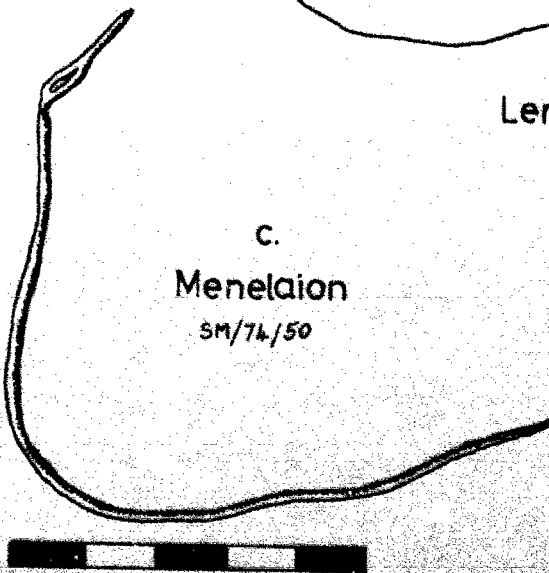
a. L4.37

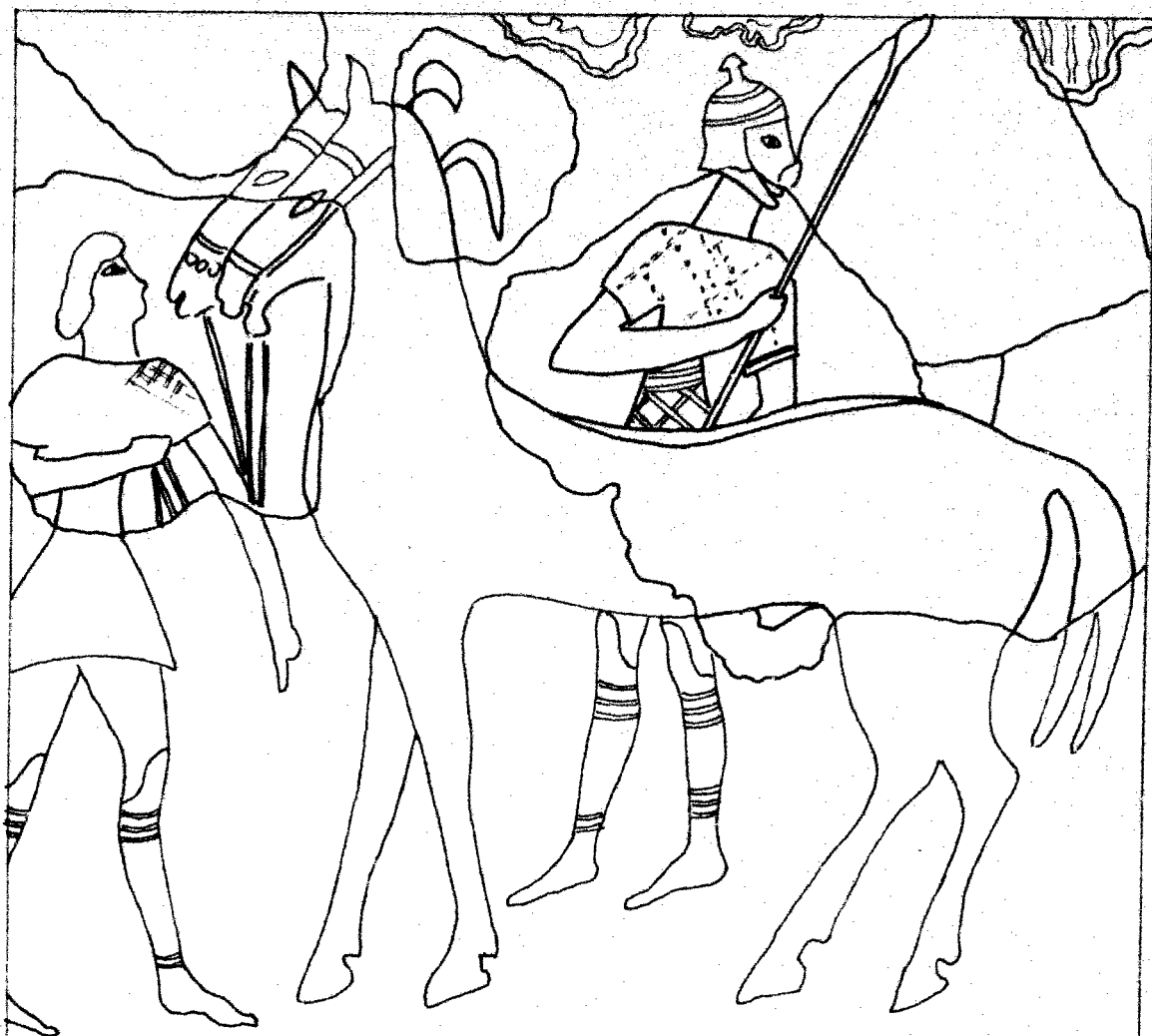


b. L6.148



Lerna - Stone Discoid Weights

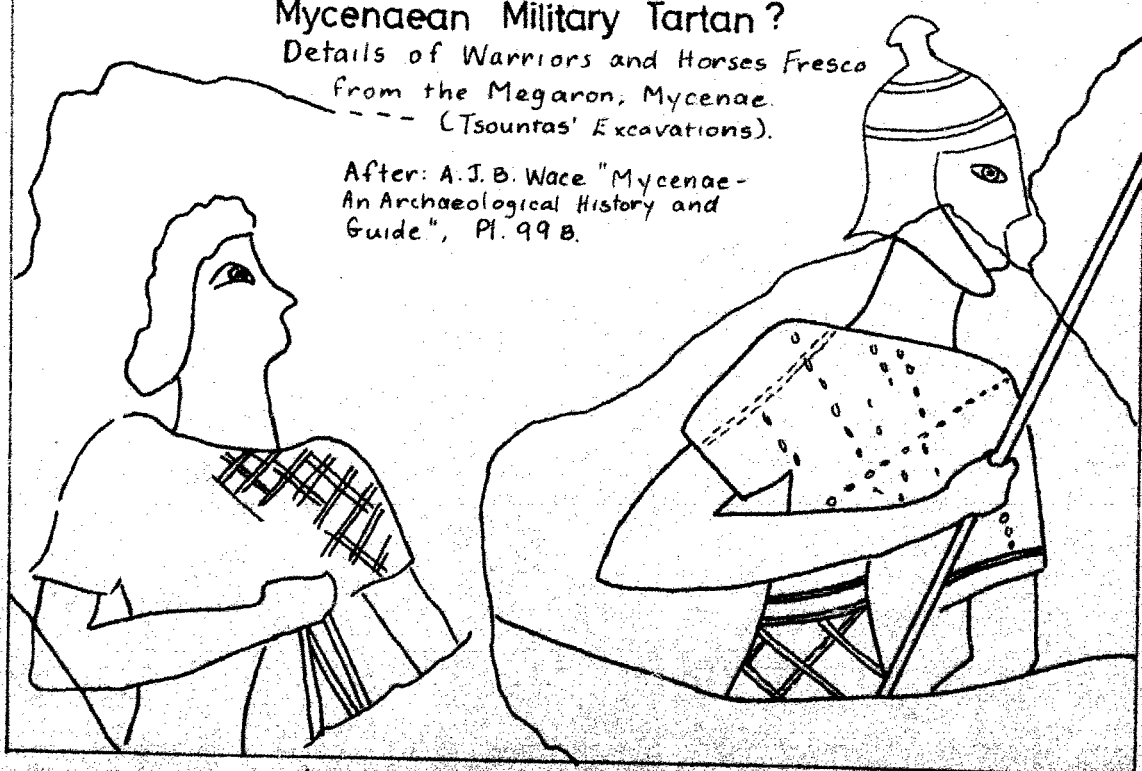




Mycenaean Military Tartan?

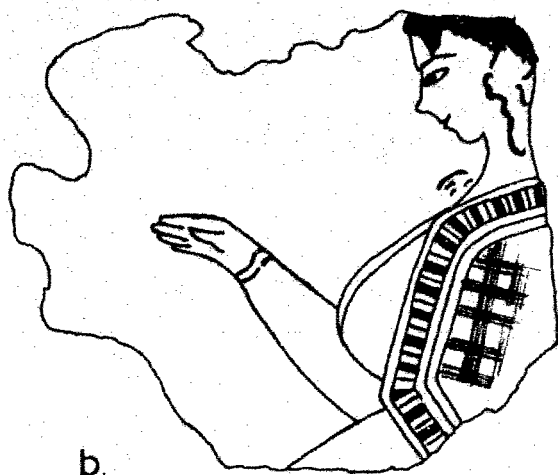
Details of Warriors and Horses Fresco
 from the Megaron, Mycenae.
 --- (Tsountas' Excavations).

After: A. J. B. Wace "Mycenae-
 An Archaeological History and
 Guide", Pl. 99 B.

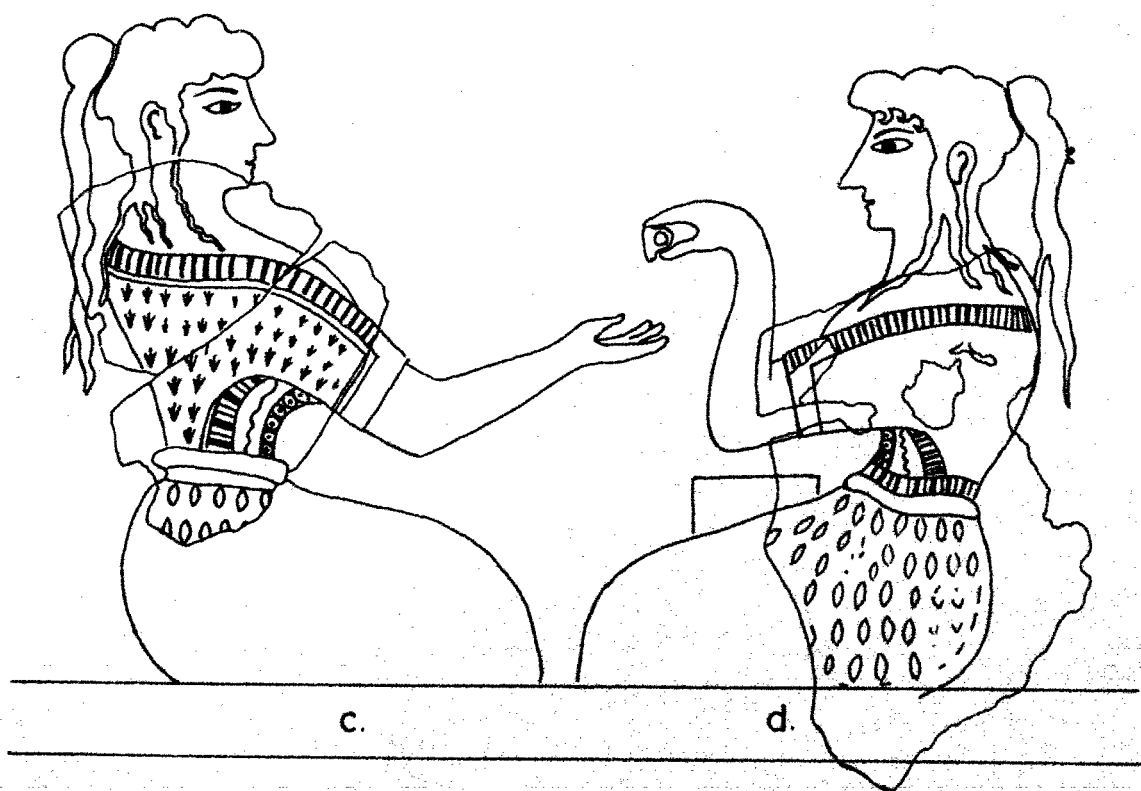




After: Piet de Jong in Mabel L. Lang,
"Palace of Nestor" Vol. II, Pl. 121
(16 H 43)

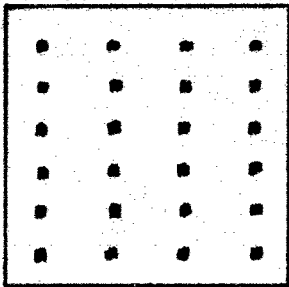


After: Mabel L. Lang "Palace of Nestor"
Vol. II, Pl. 121 (4 Hnw)

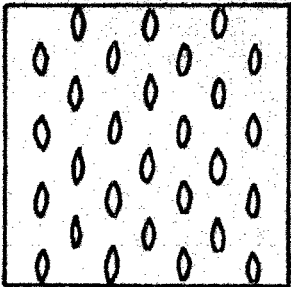


After: Piet de Jong in Mabel
M. Lang "Palace of Nestor" Vol. II
Colour Pl. M. (1-2 H 2)

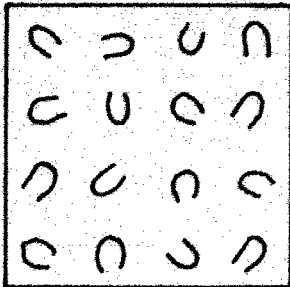
Mycenaean Textile Patterns



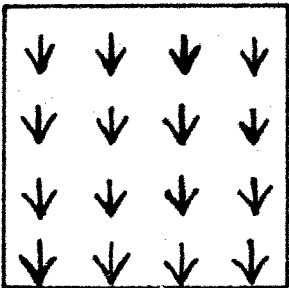
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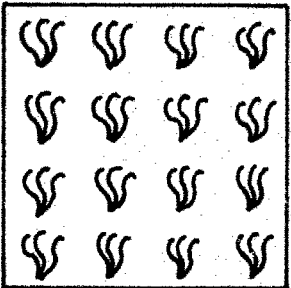
b.



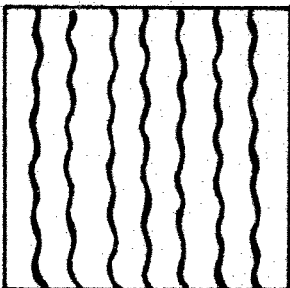
c.



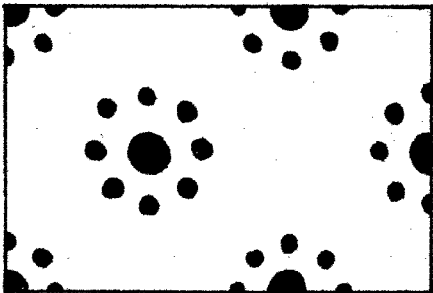
d.



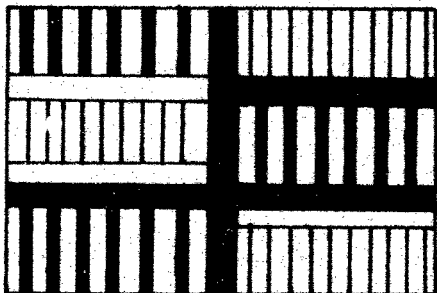
e.



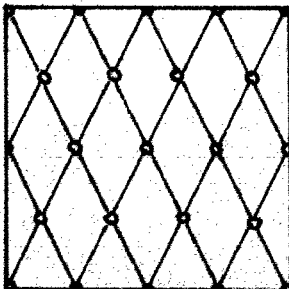
f.



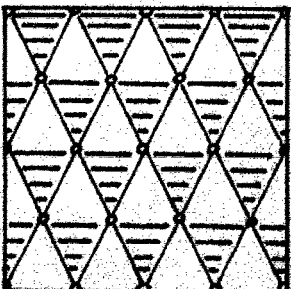
g.



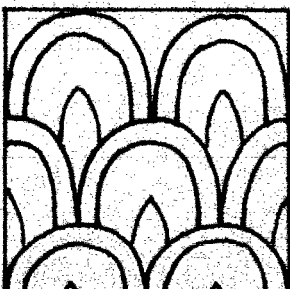
h.



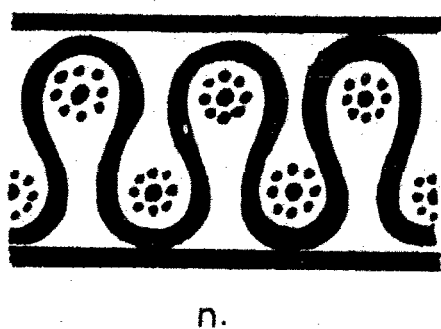
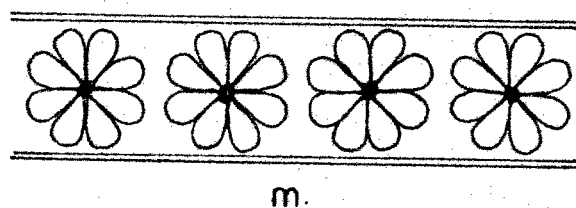
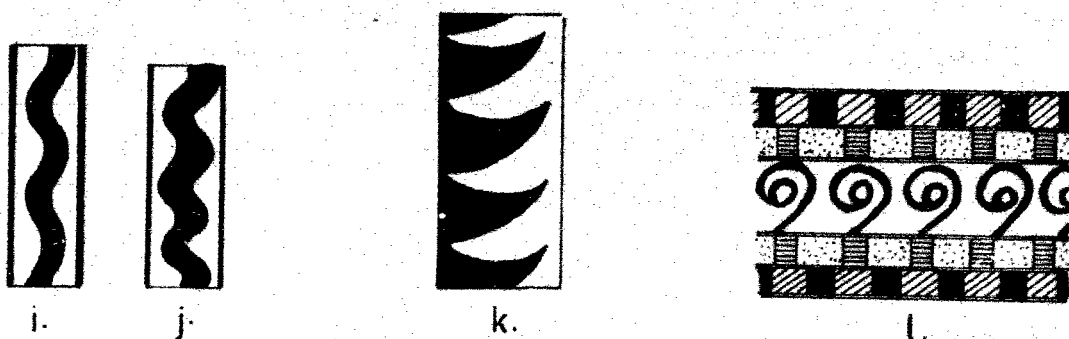
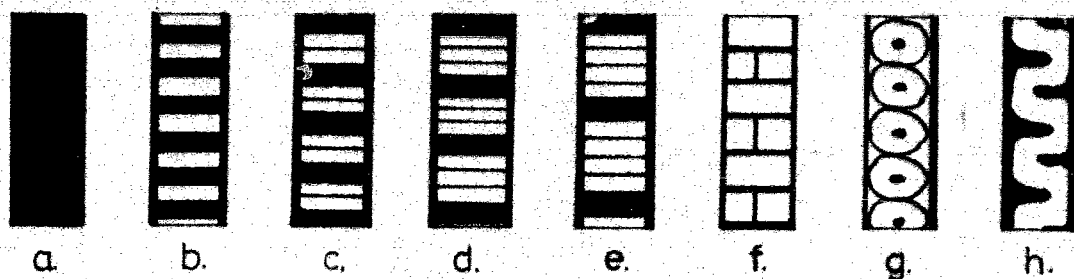
i.



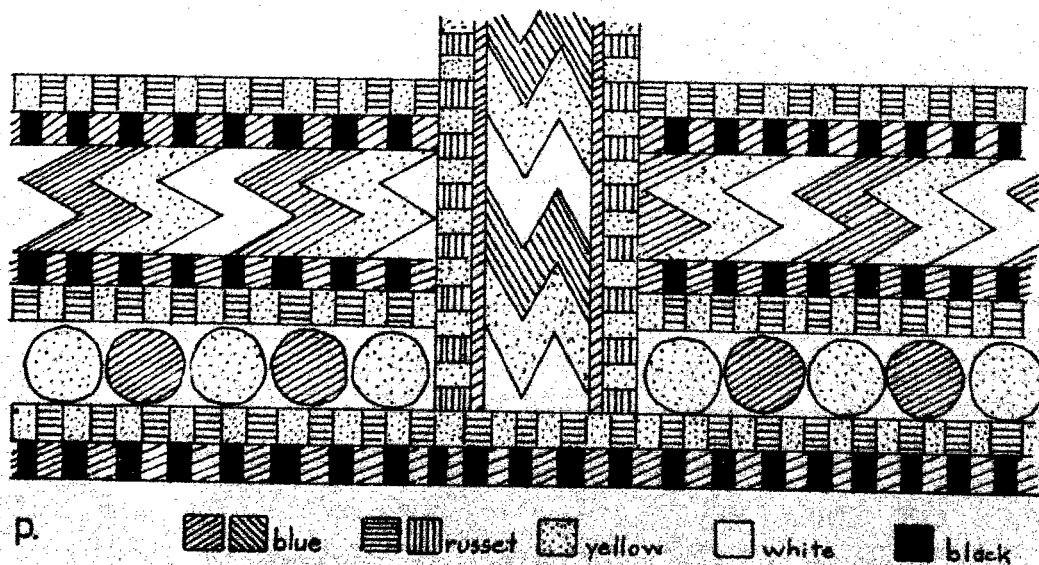
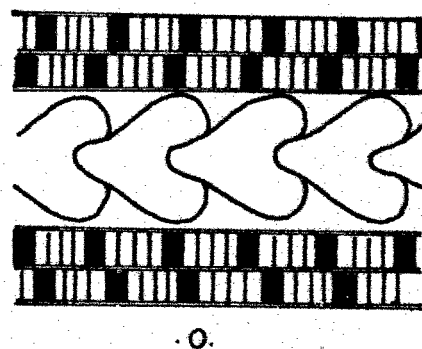
j.

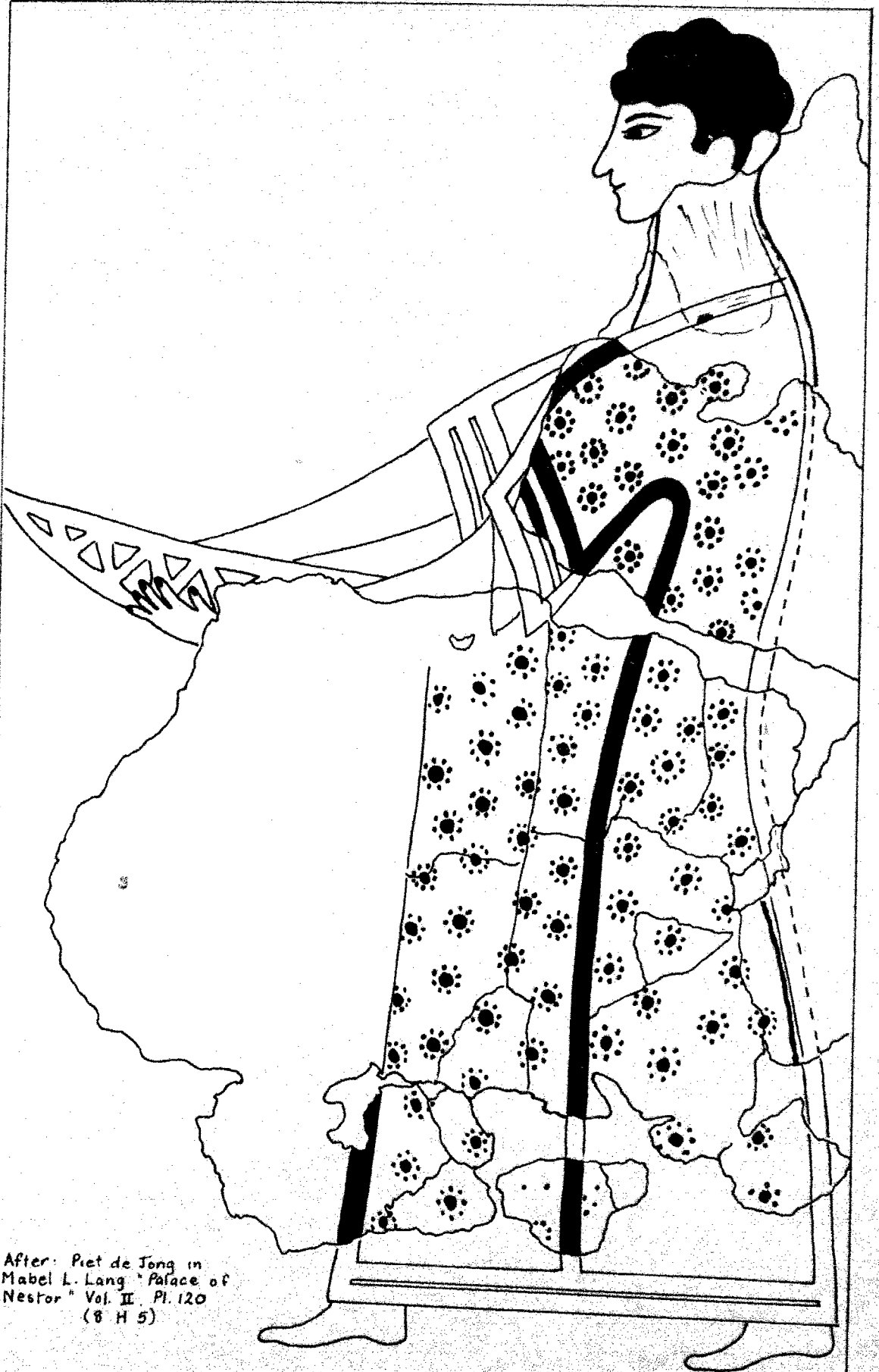


k.



Mycenaean
Braids
and
Borders





After: Piet de Jong in
Mabel L. Lang, "Palace of
Nestor" Vol. II, Pl. 120
(8 H 5)





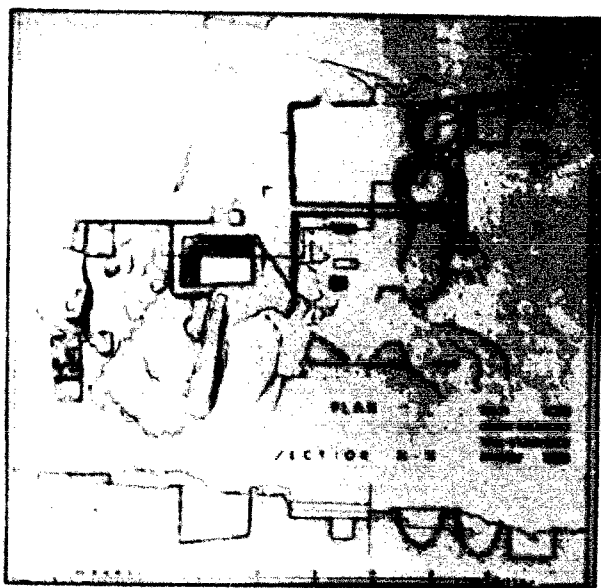
a



b.



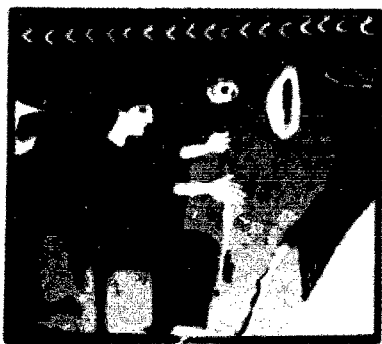
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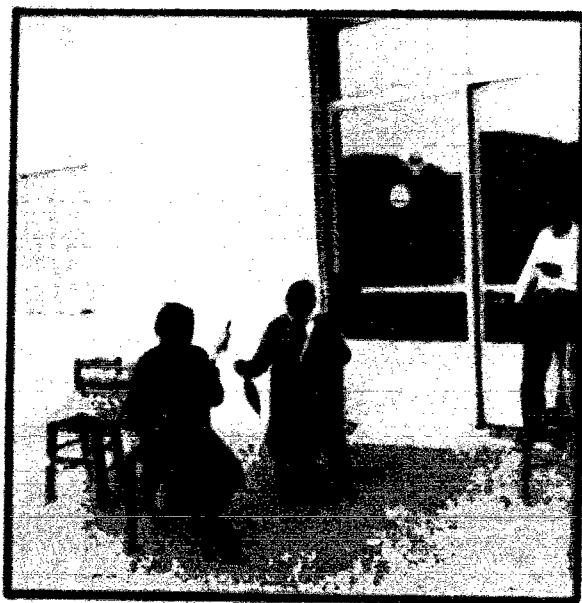
b.



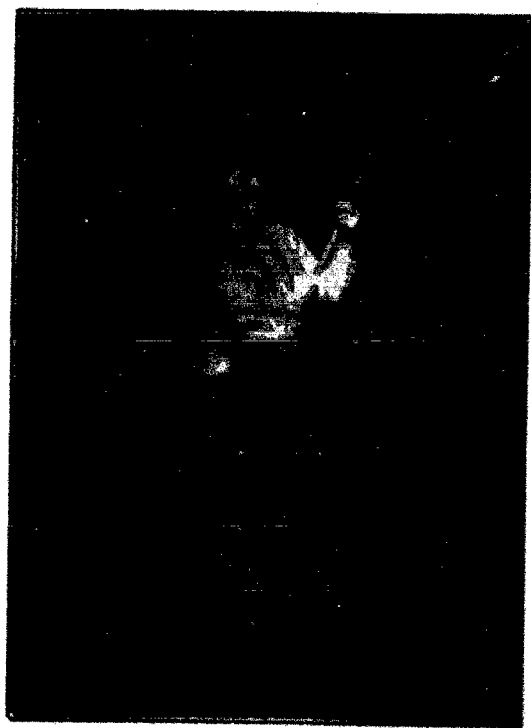
c.



a.



b.



c.



d.



a.



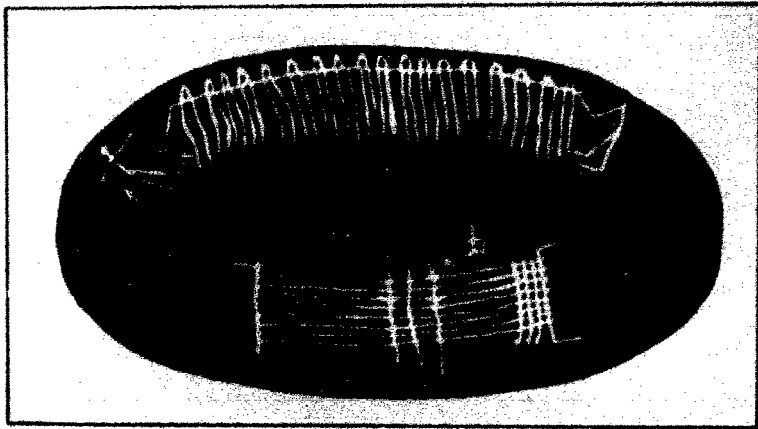
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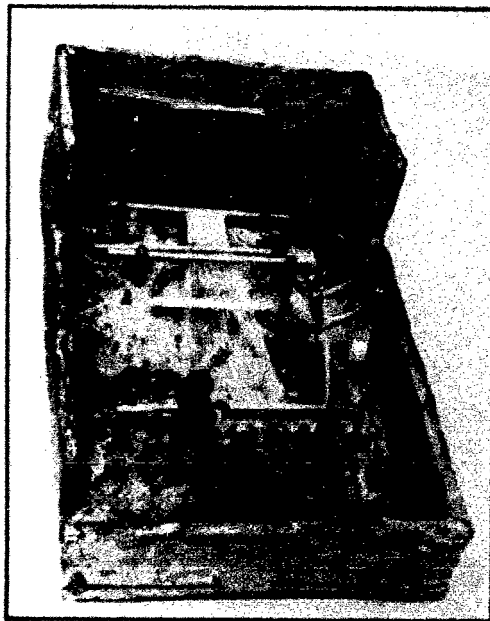
c.



d.



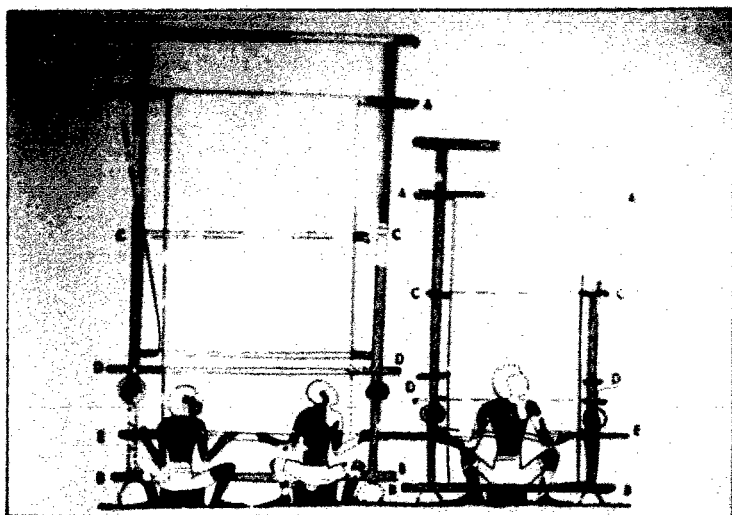
a.



b.



c.



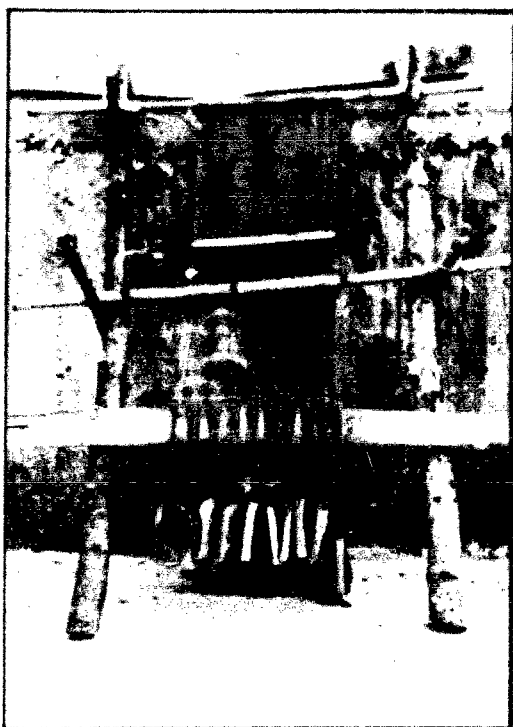
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b.



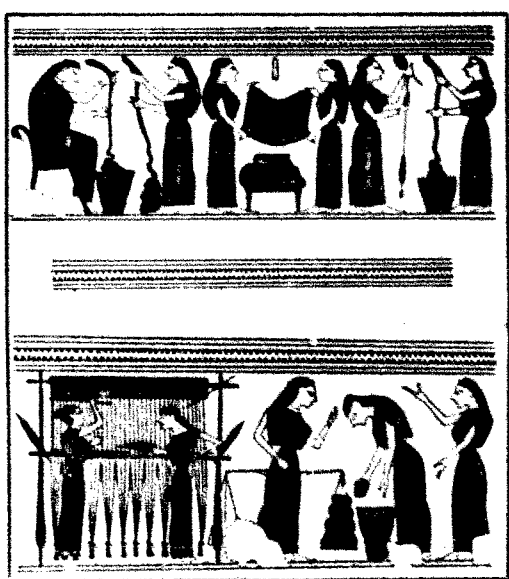
c.



a.



b.



c.



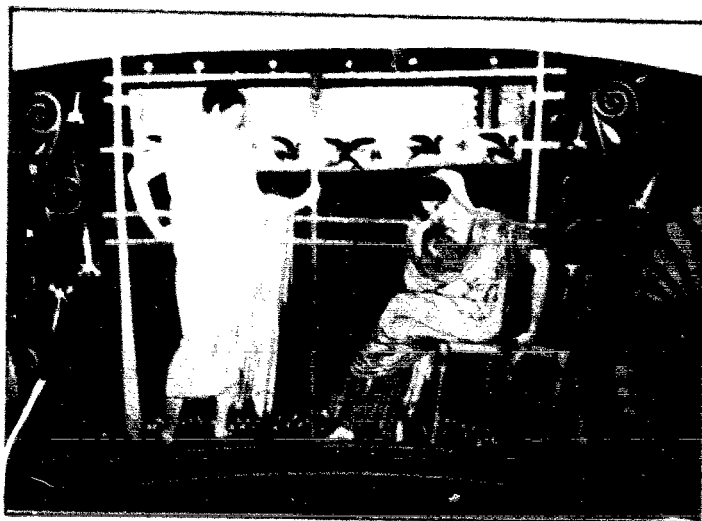
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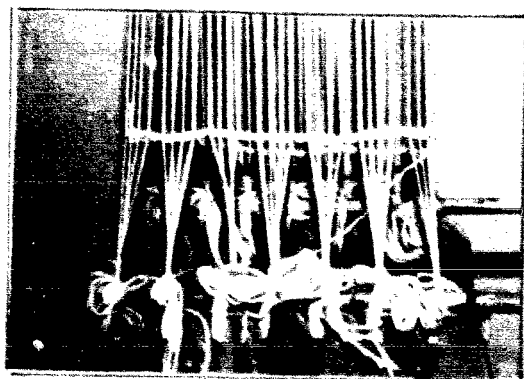
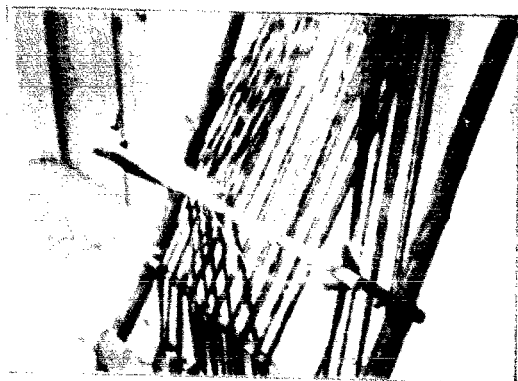
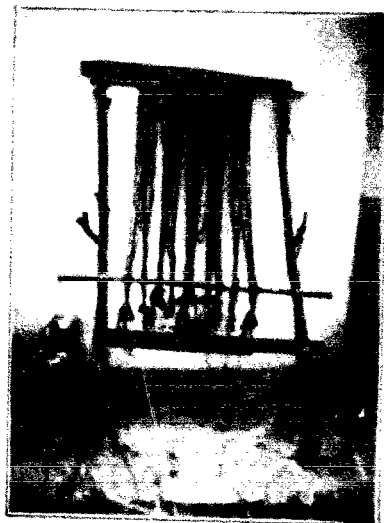
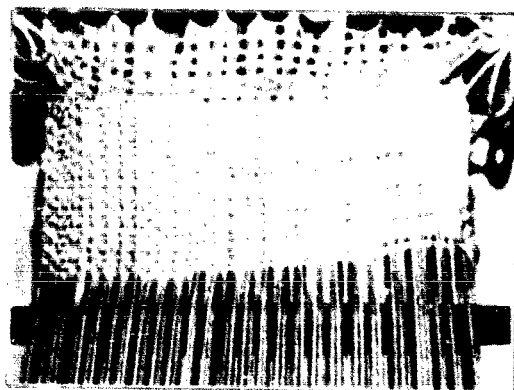
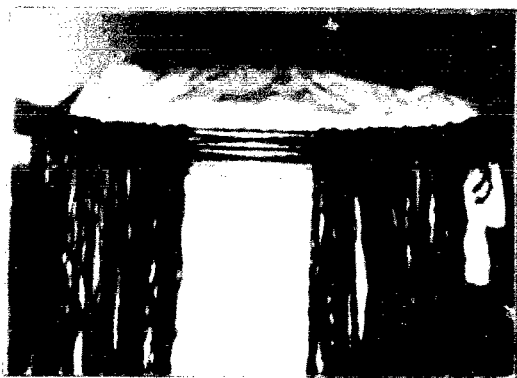
a



b



c





a



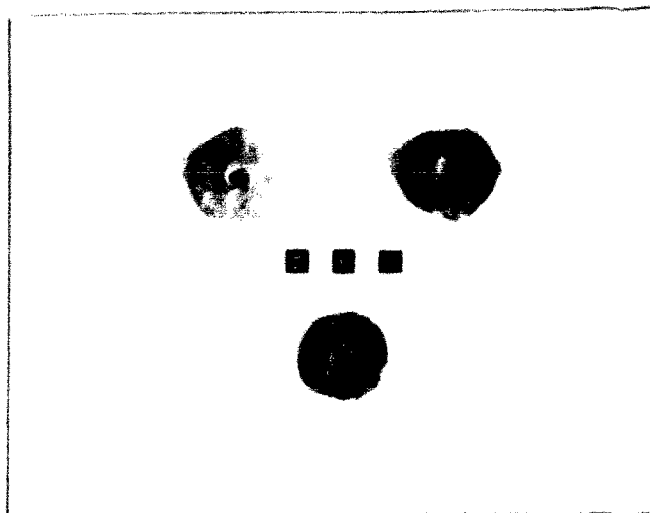
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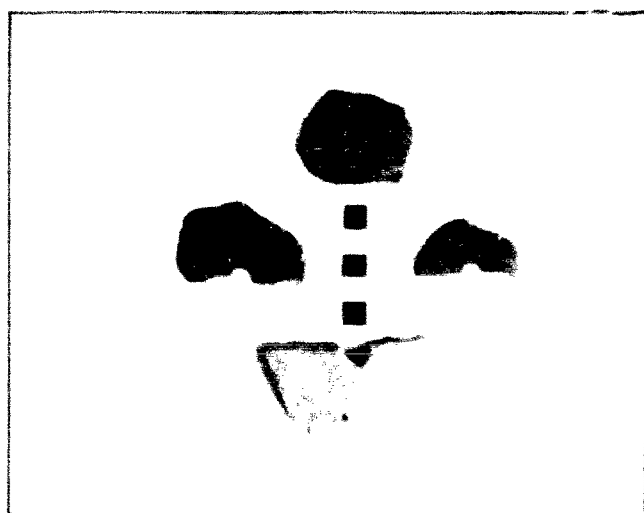
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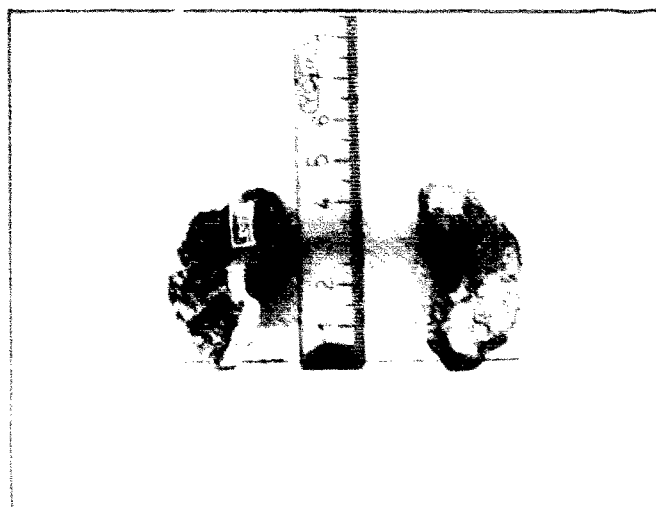
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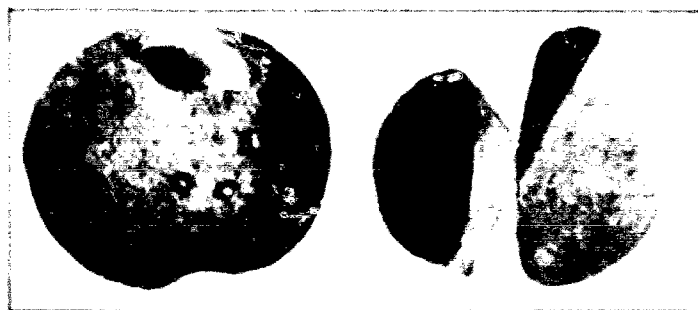
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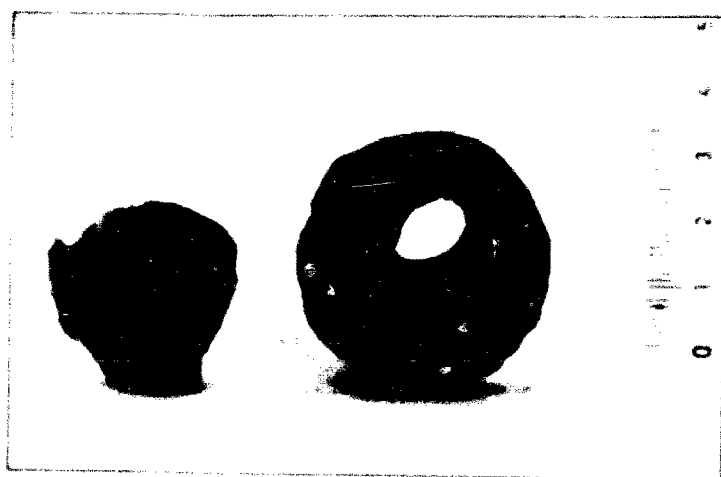
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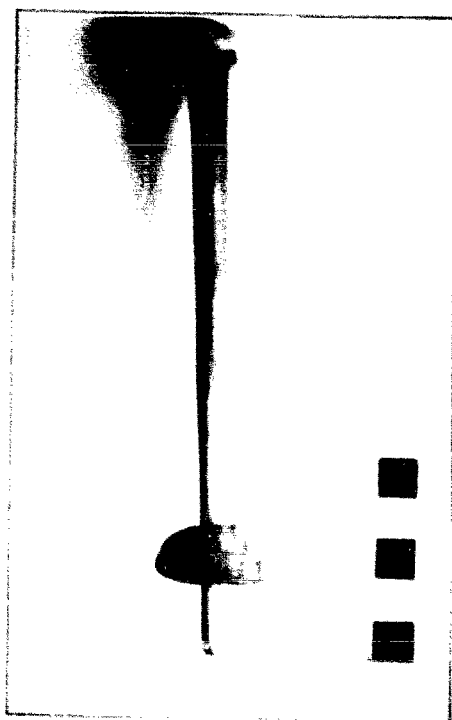
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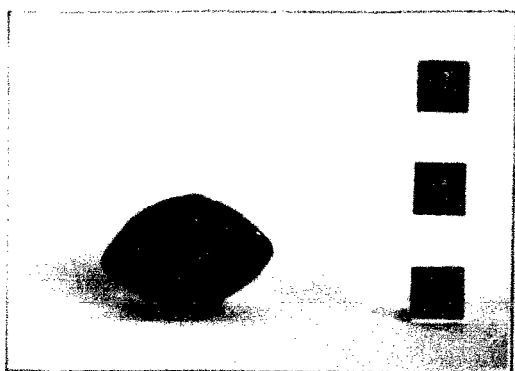
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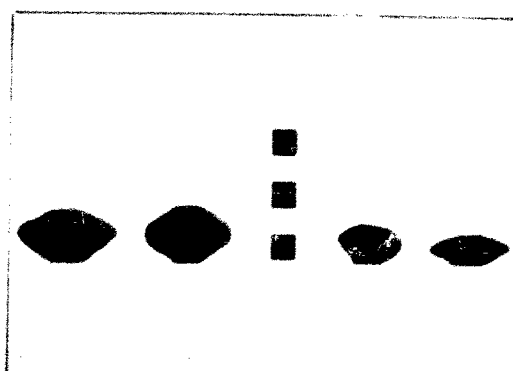
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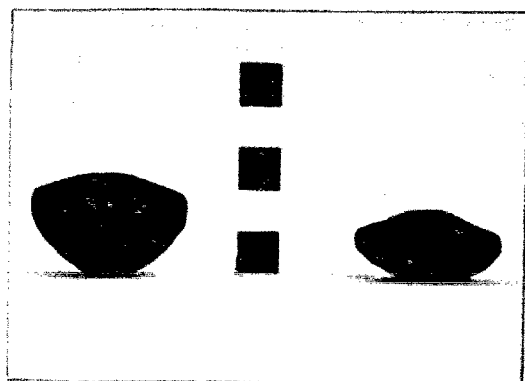
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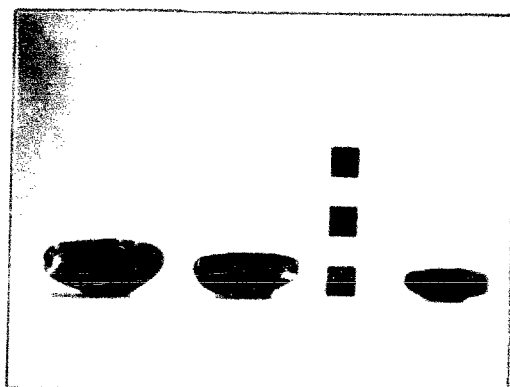
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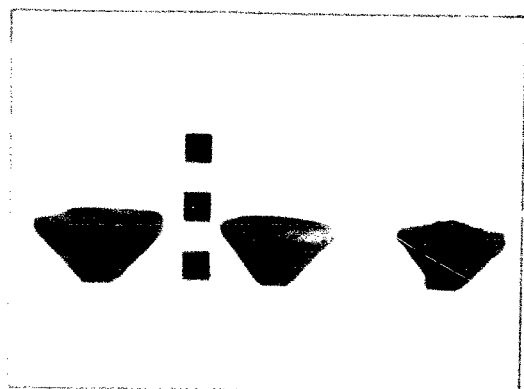
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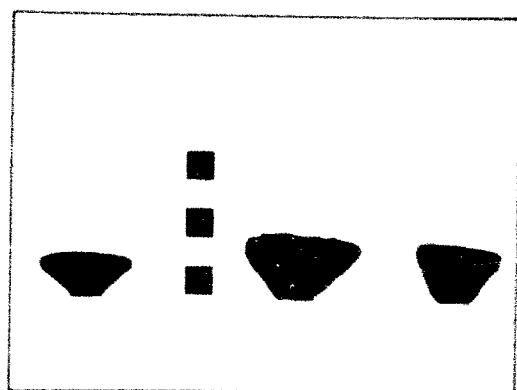
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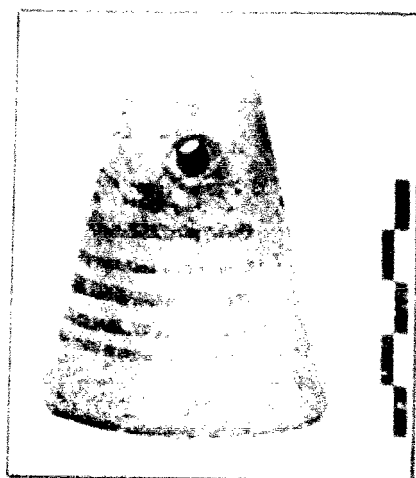
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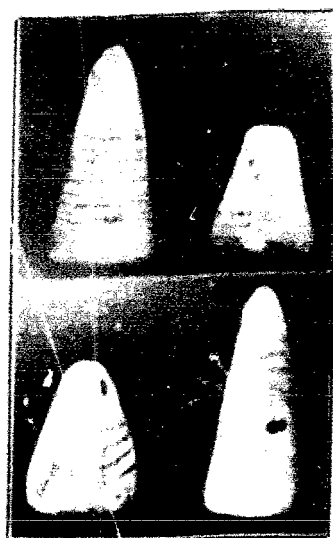
e



f



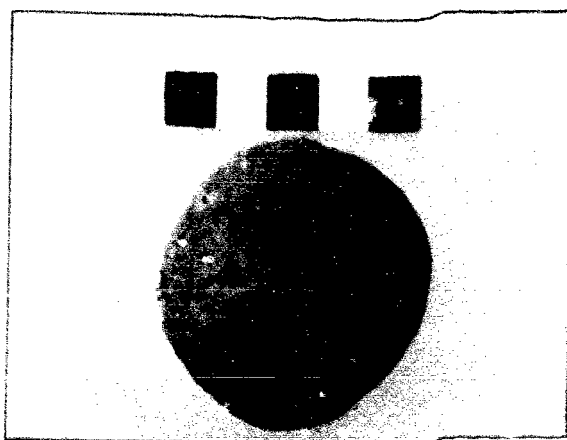
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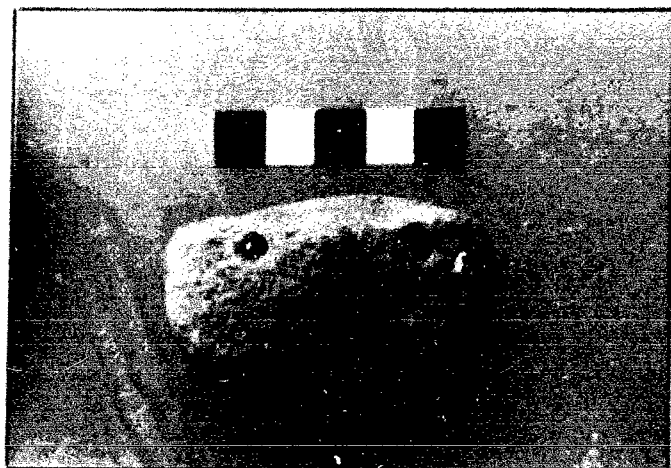
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c



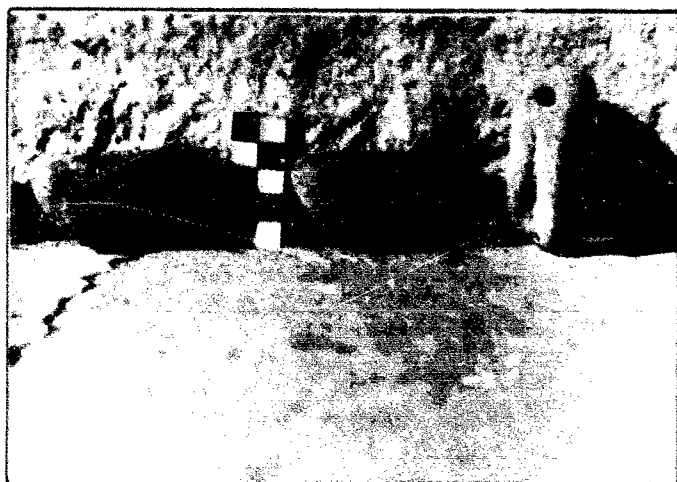
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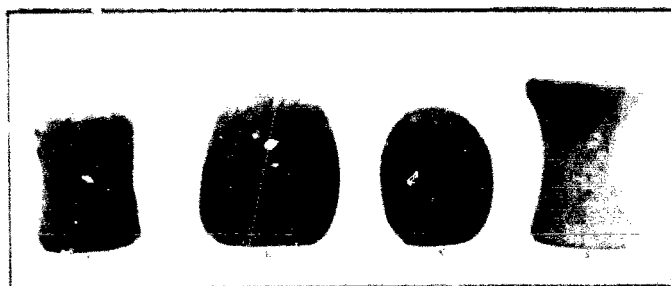
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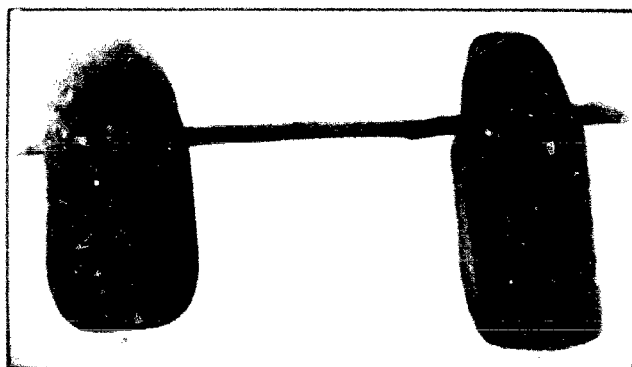
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c.



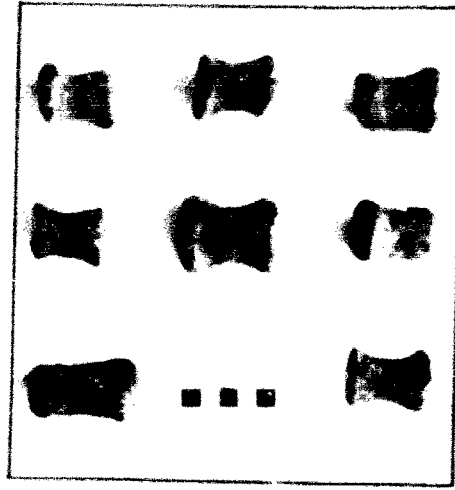
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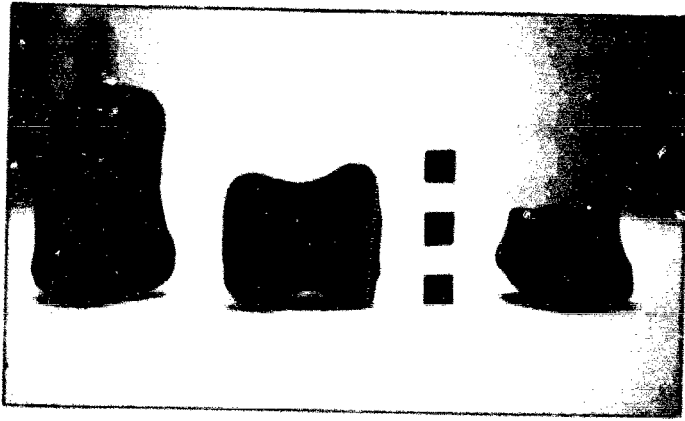
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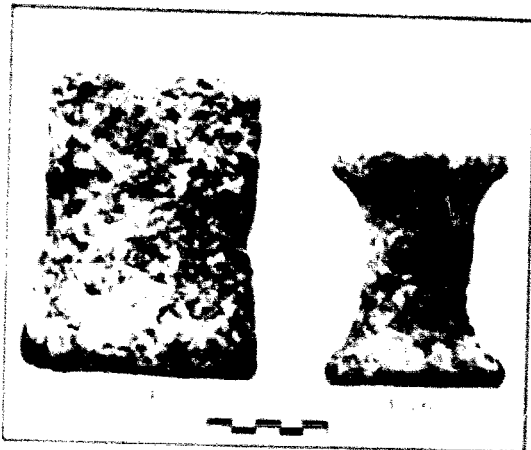
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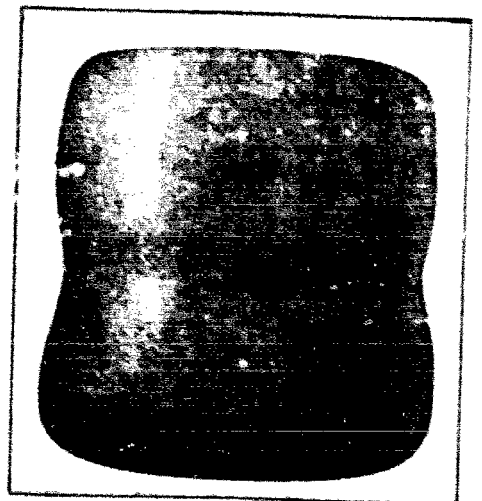
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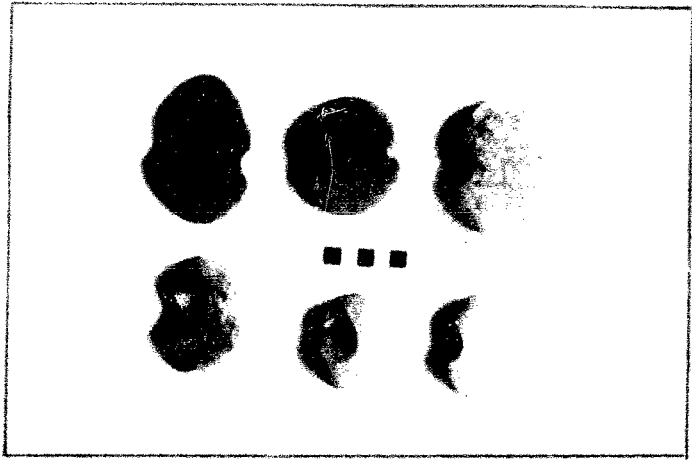
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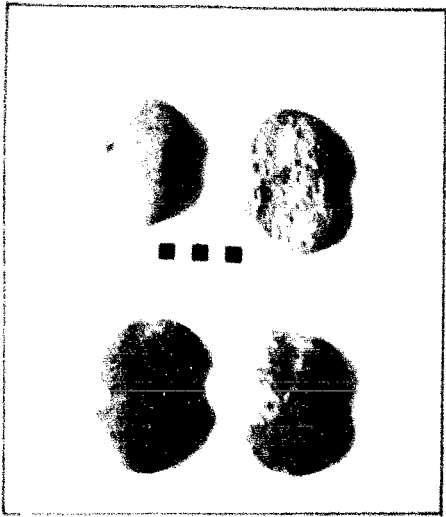
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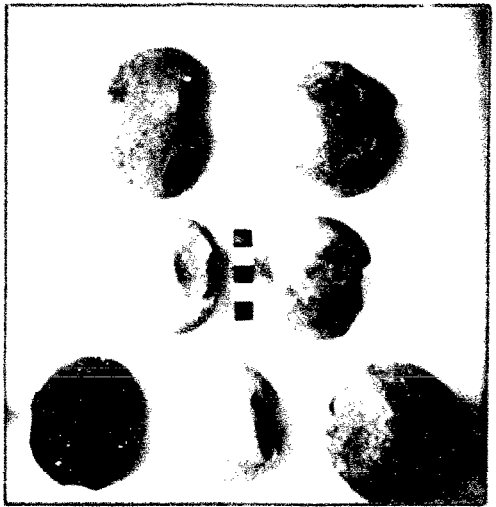
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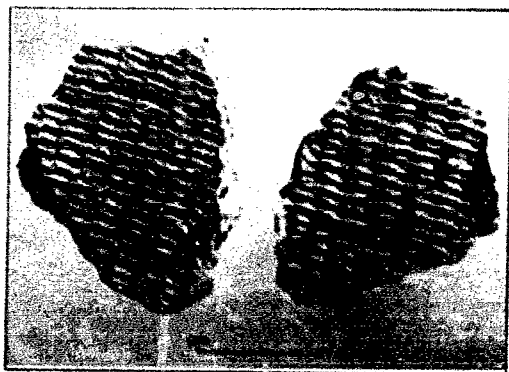
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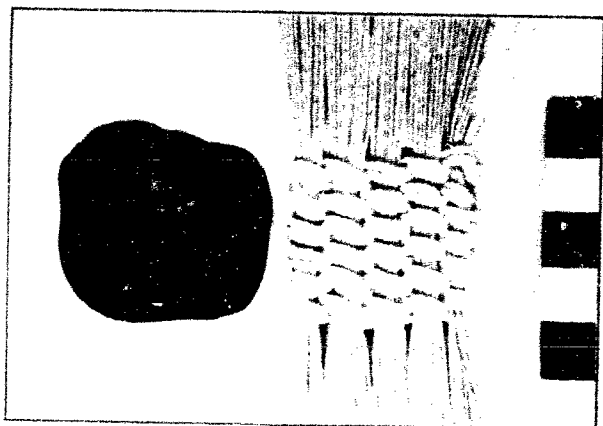
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a.



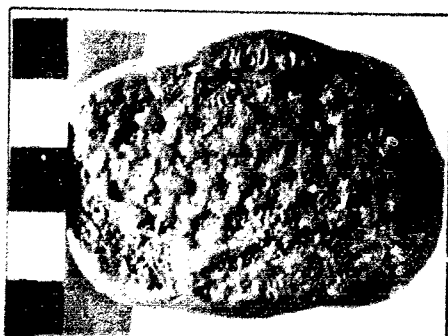
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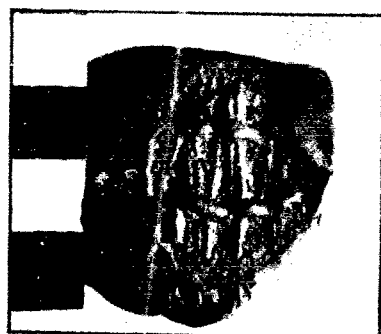
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d.



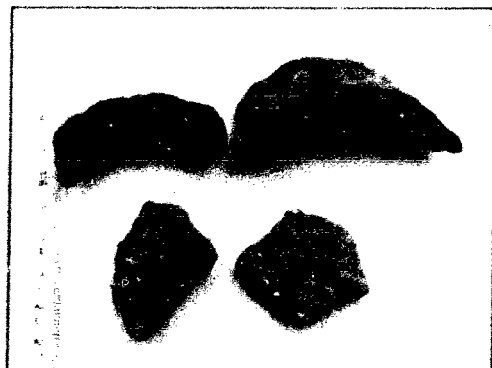
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f.



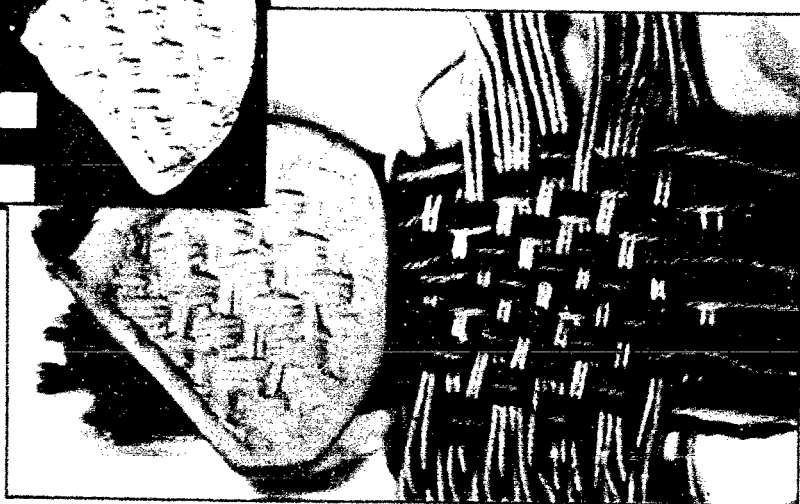
a



b



c



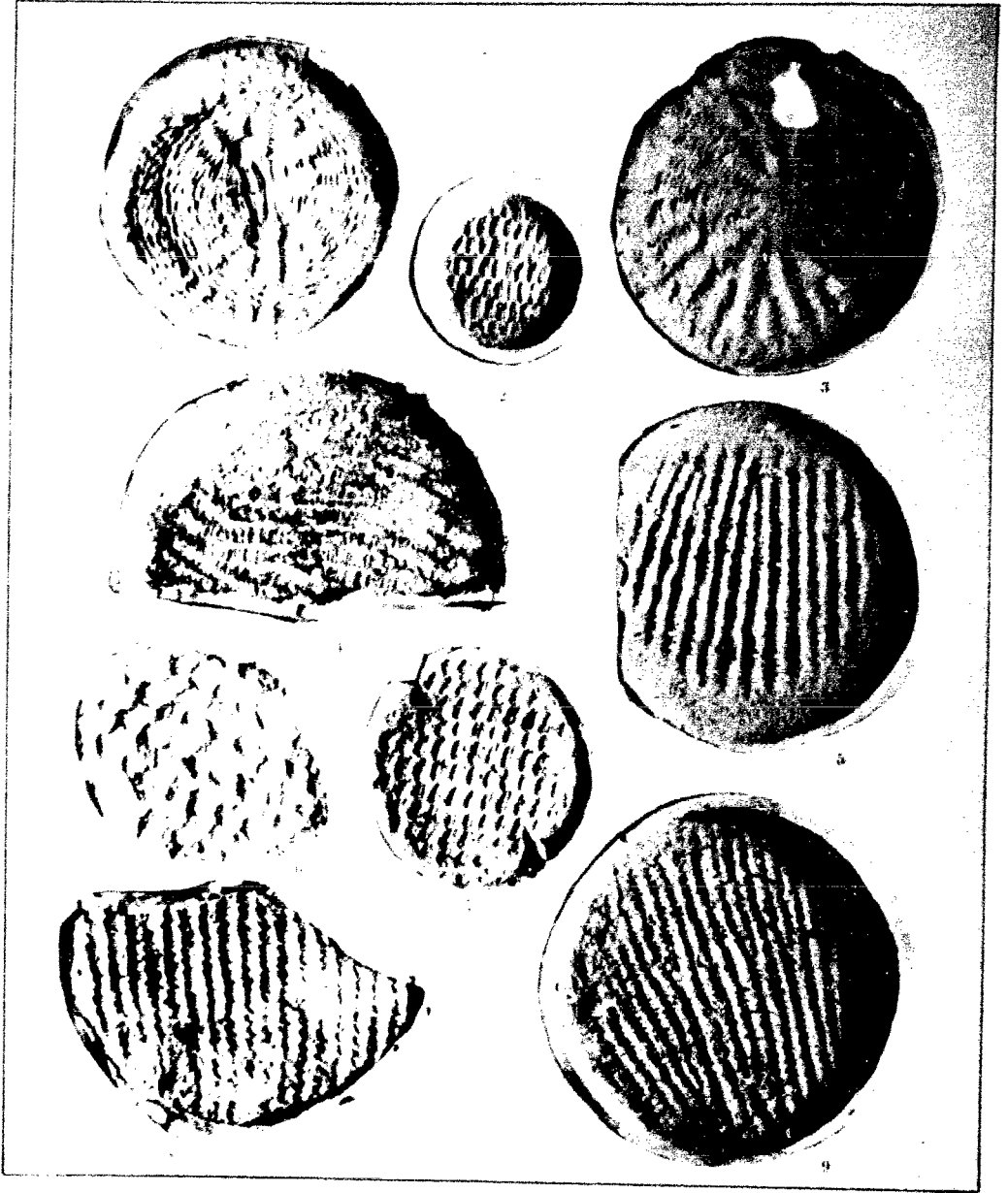
d



e

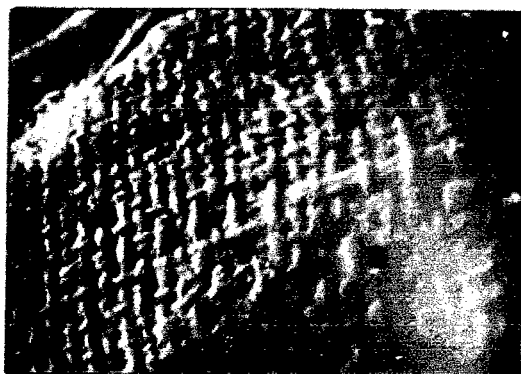


f





a



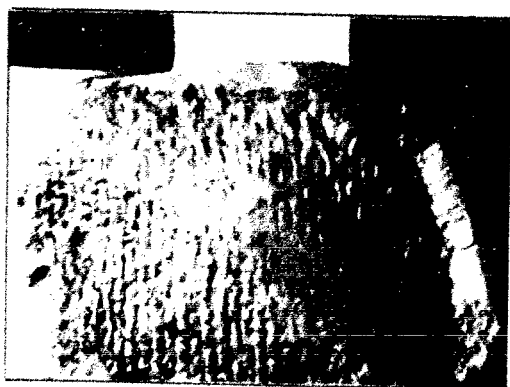
b



c



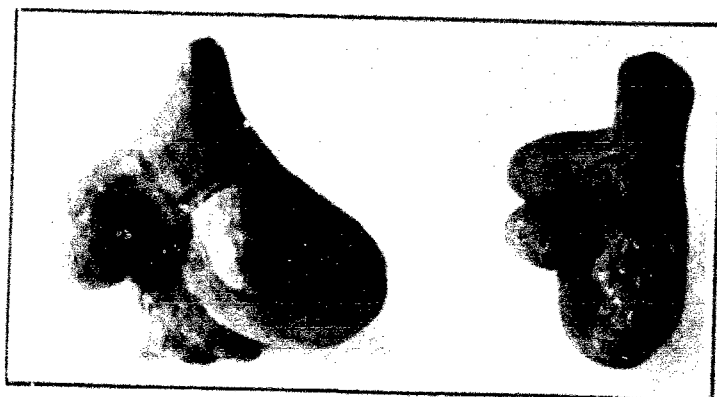
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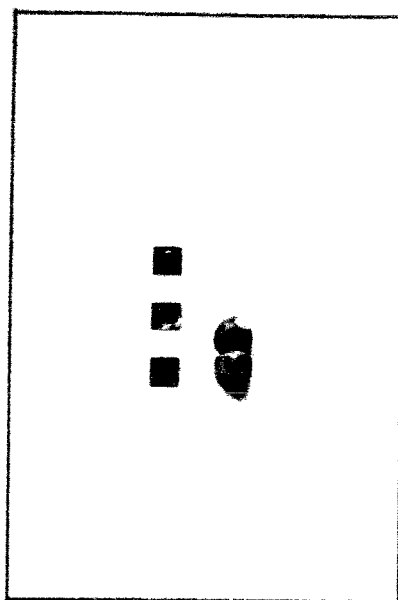
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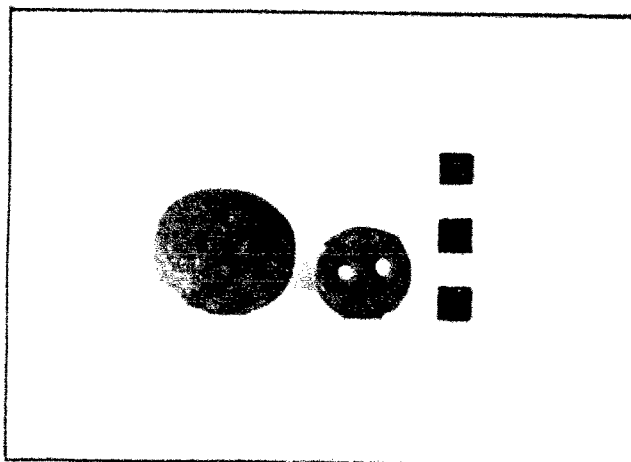
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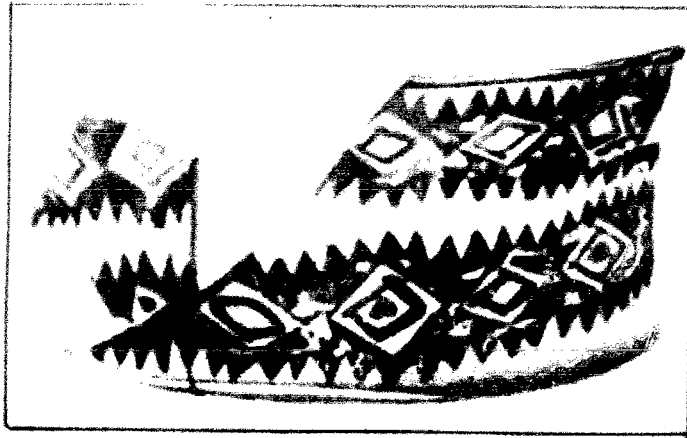
a.



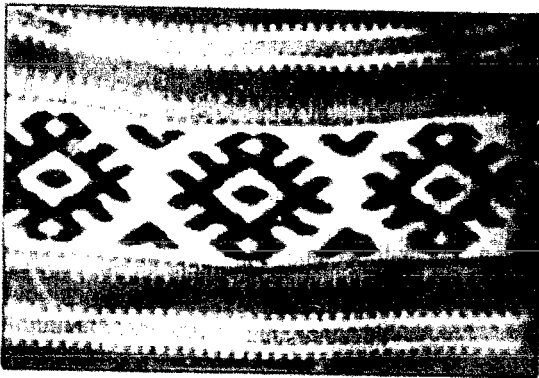
b.



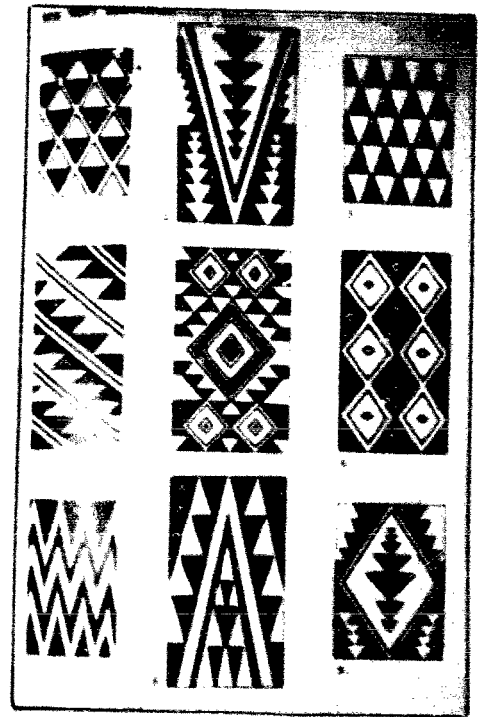
c.



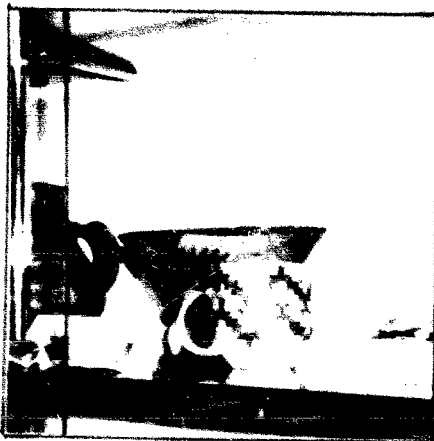
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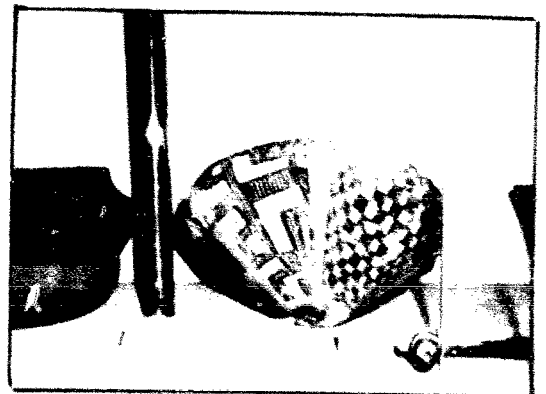
b.



c.



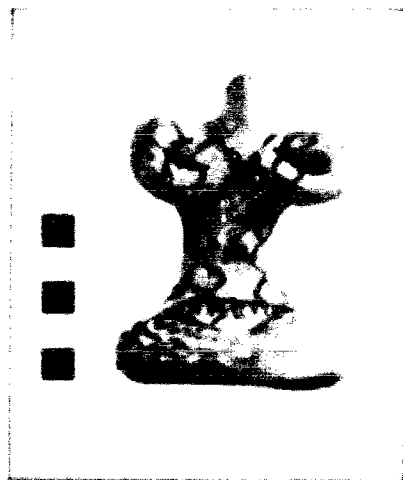
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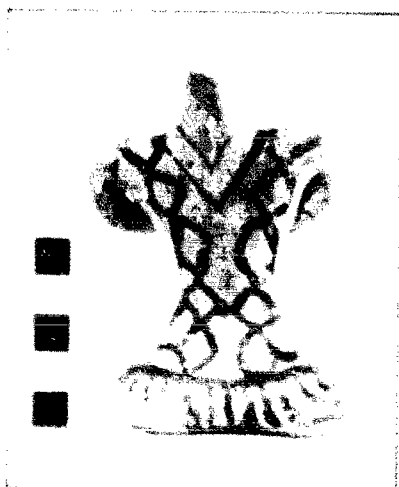
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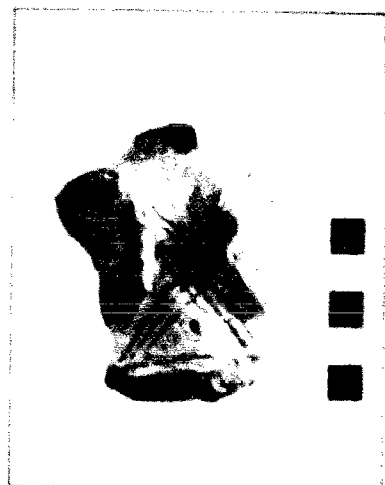
1



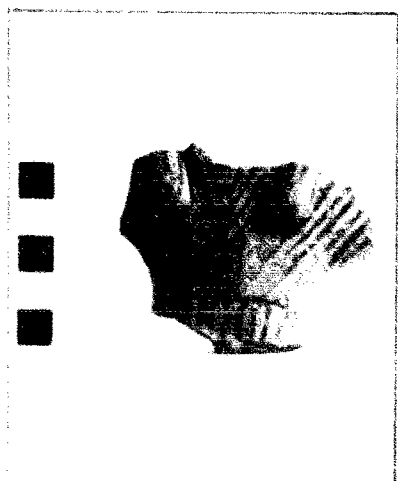
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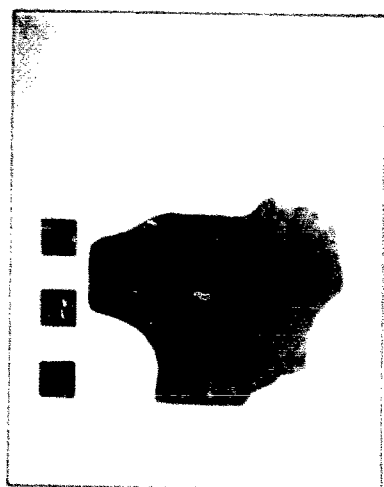
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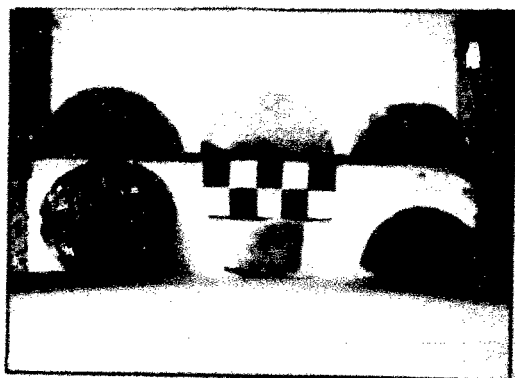
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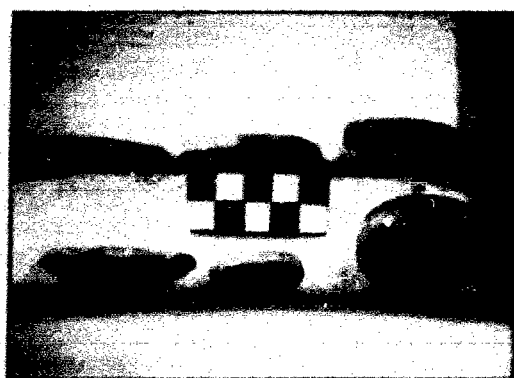
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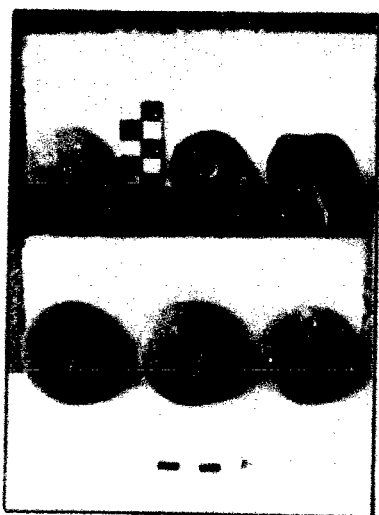
6



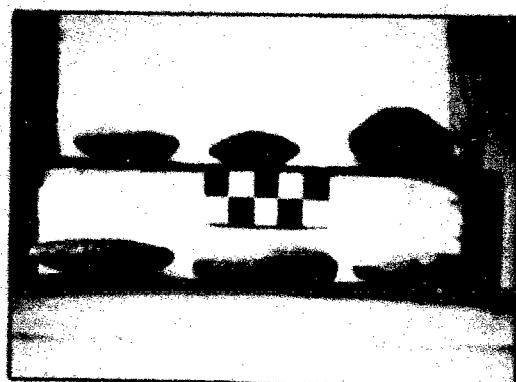
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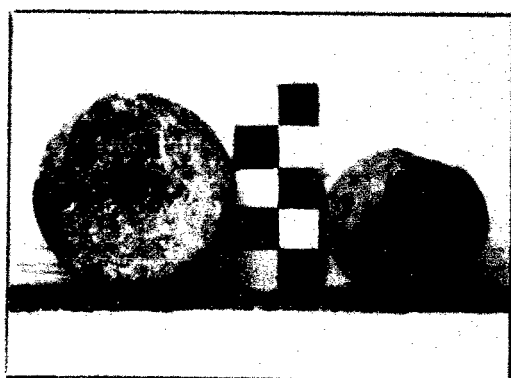
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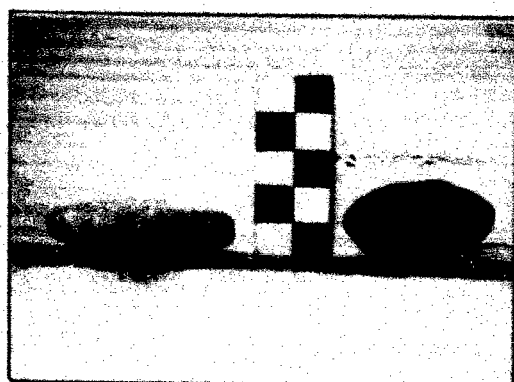
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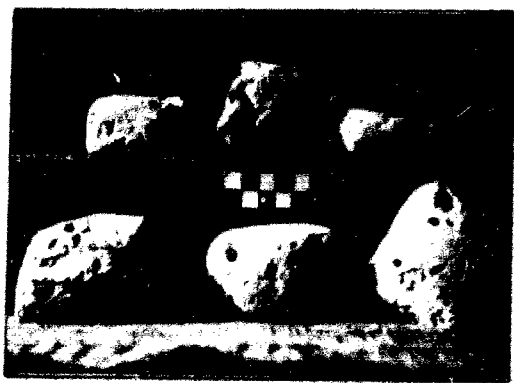
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e.



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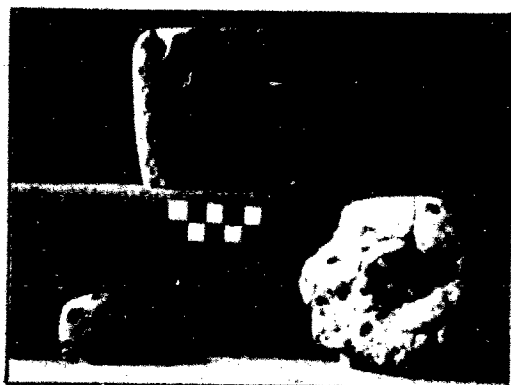
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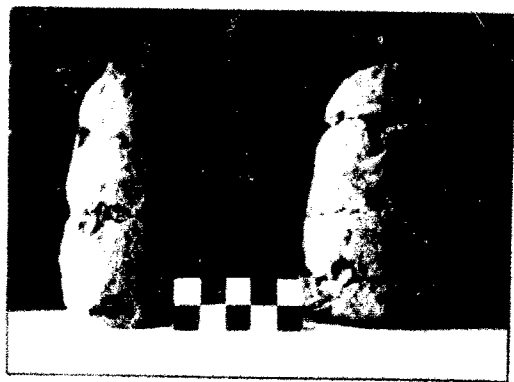
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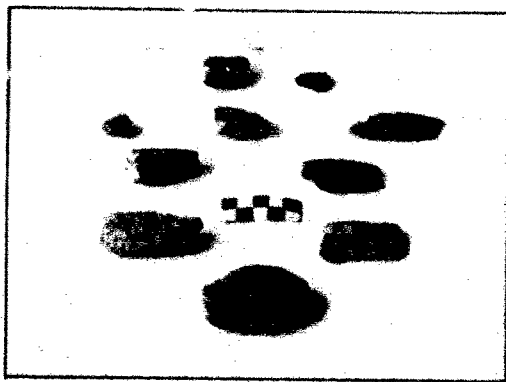
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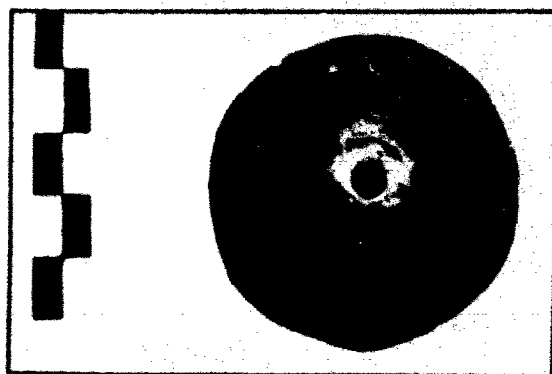
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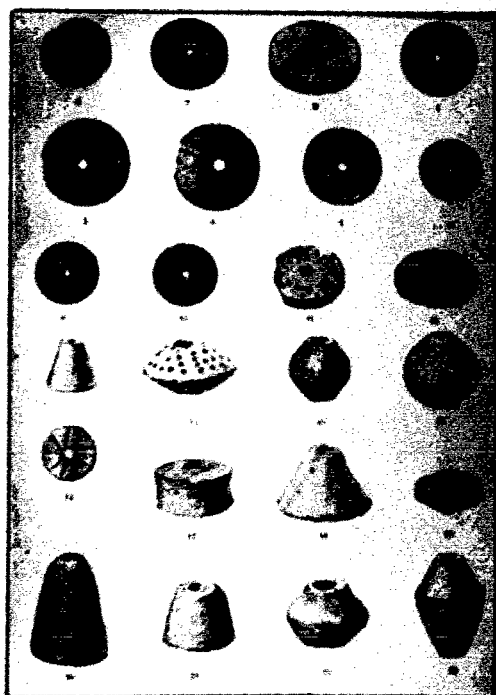
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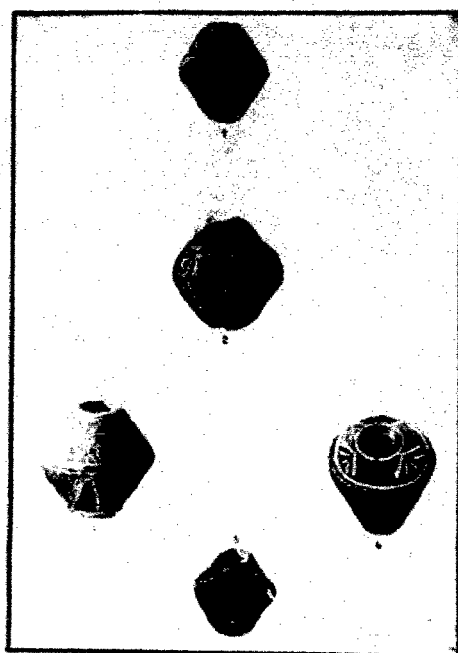
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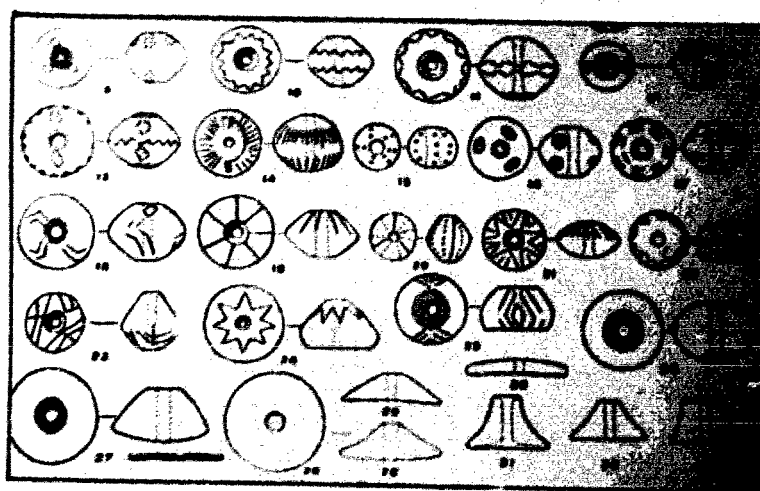
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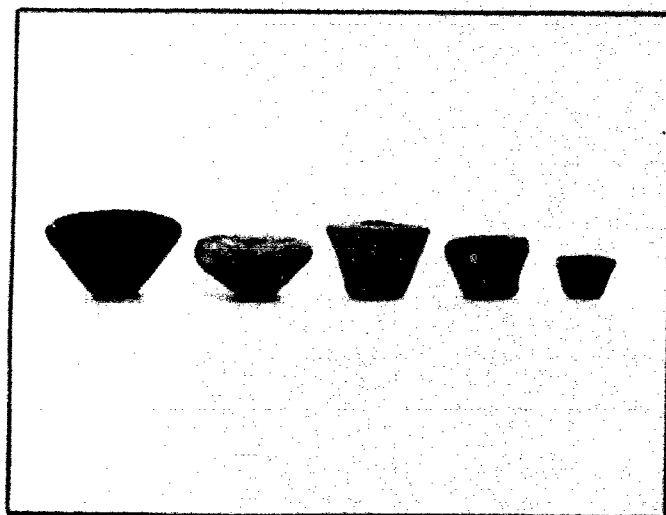
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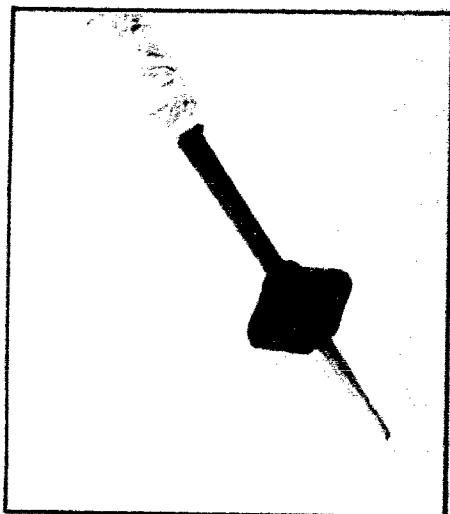
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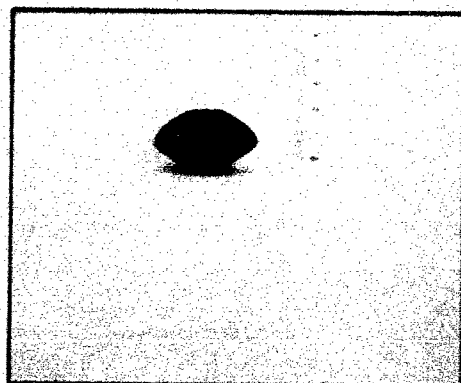
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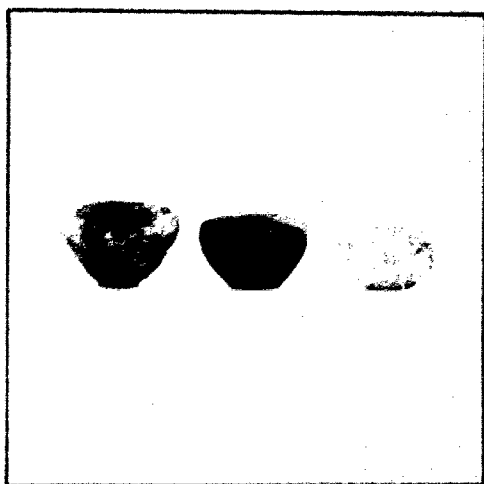
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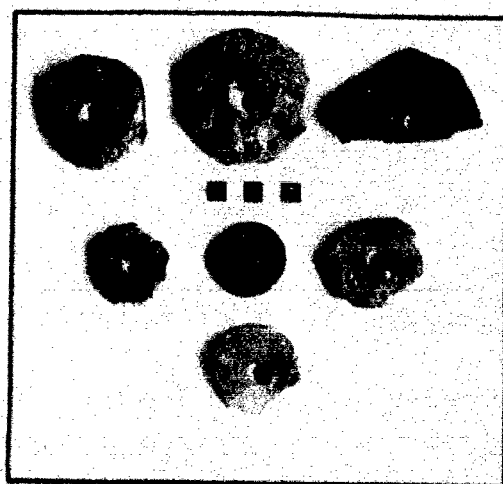
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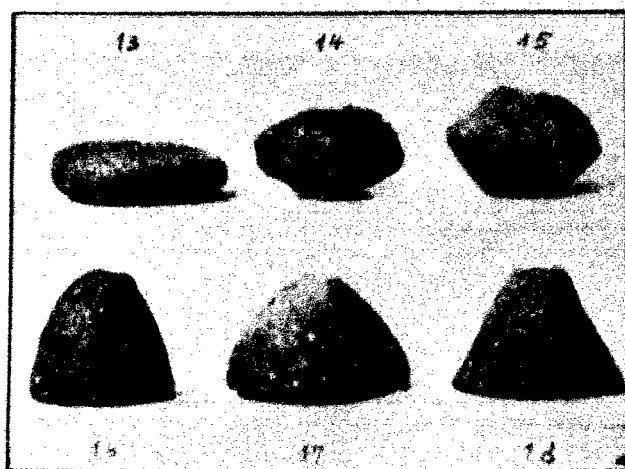
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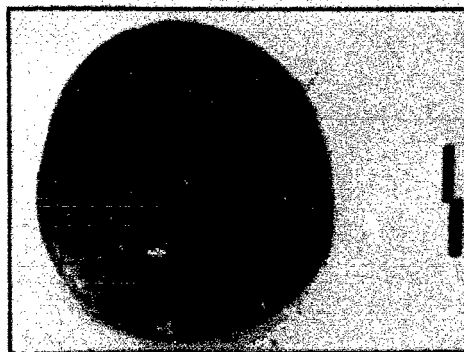
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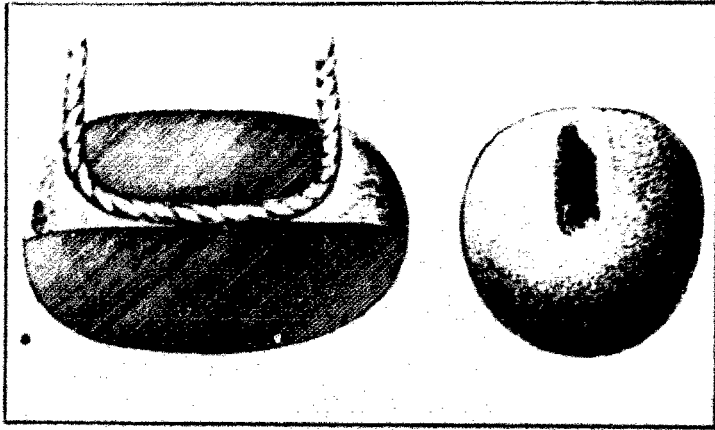
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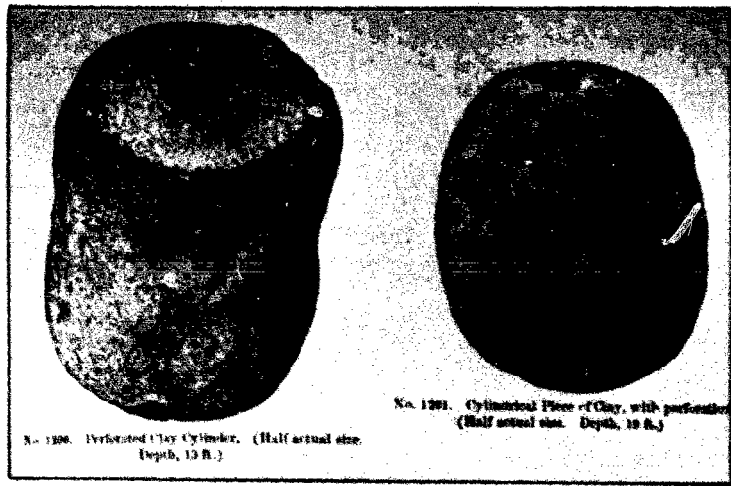
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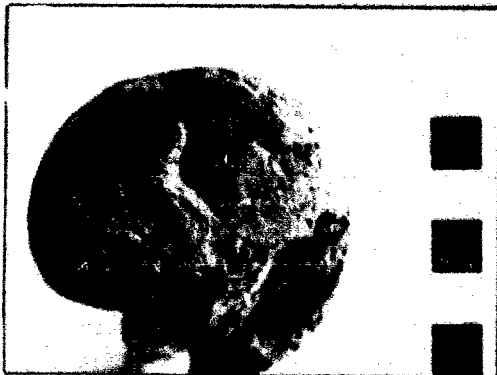
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a.



b.



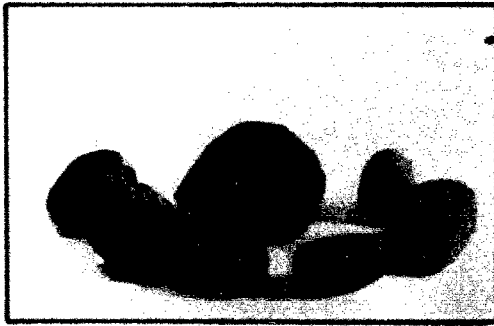
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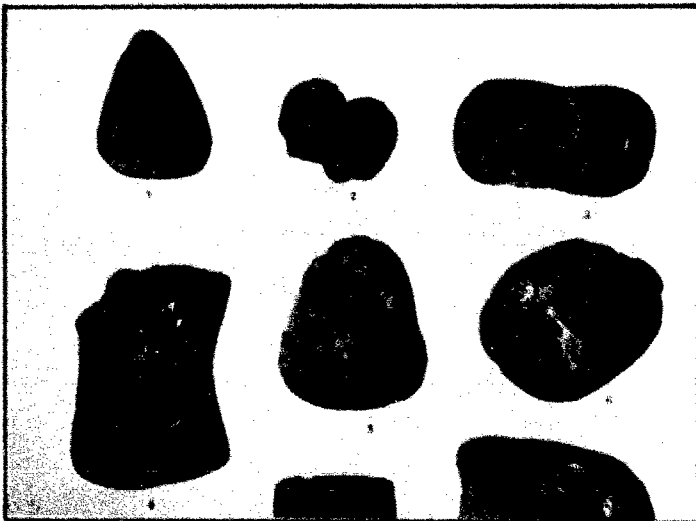
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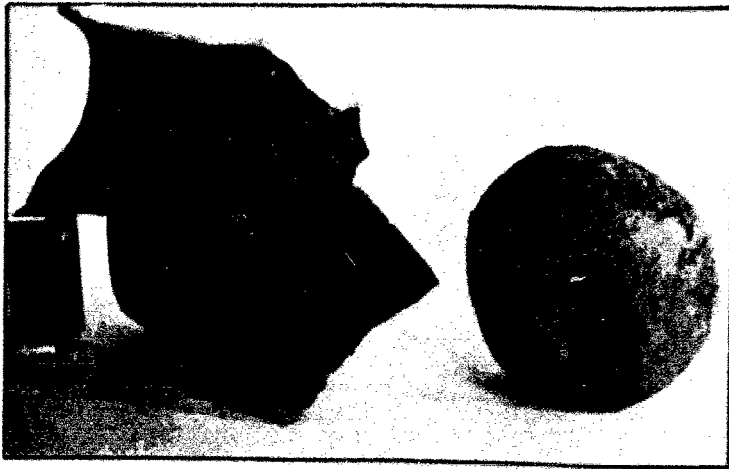
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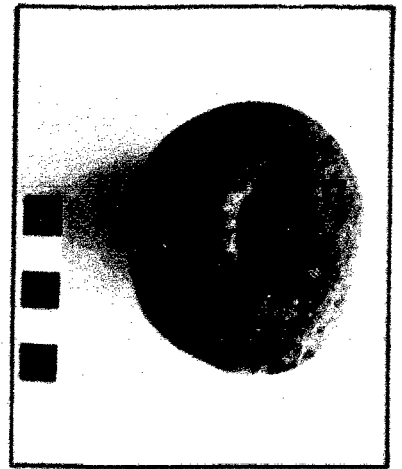
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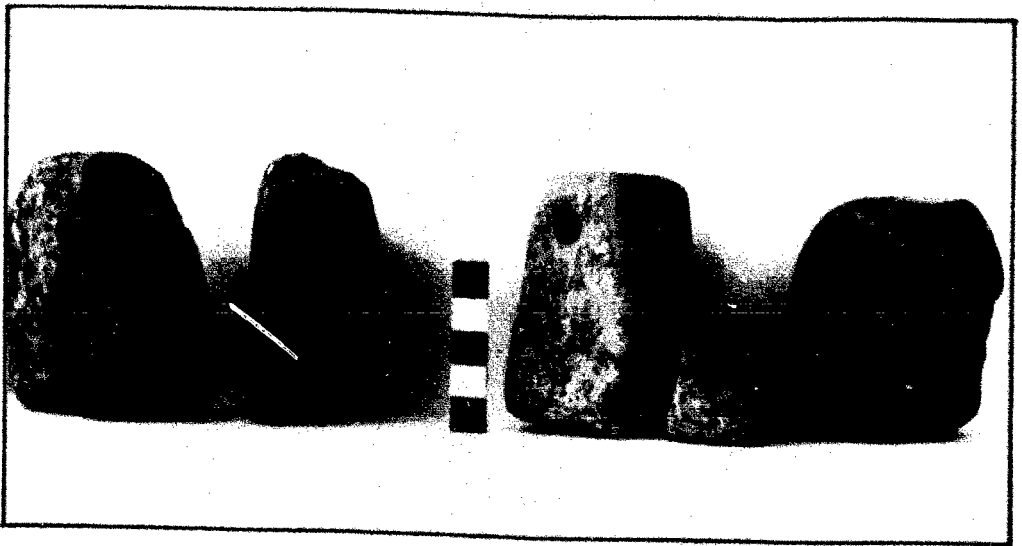
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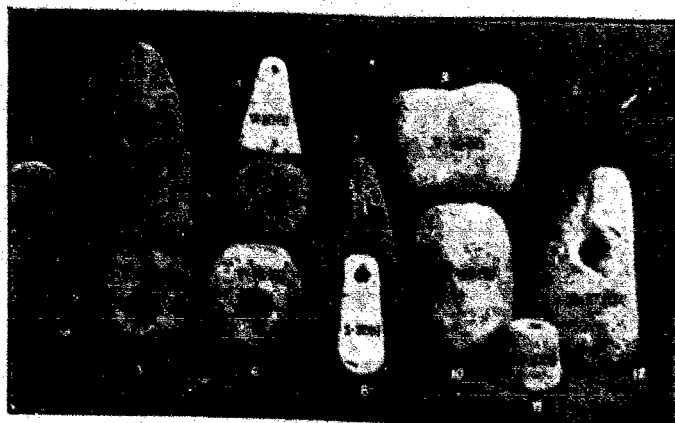
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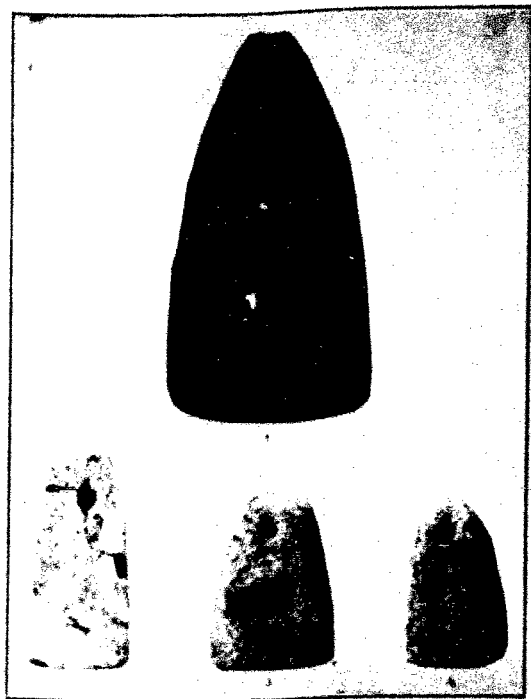
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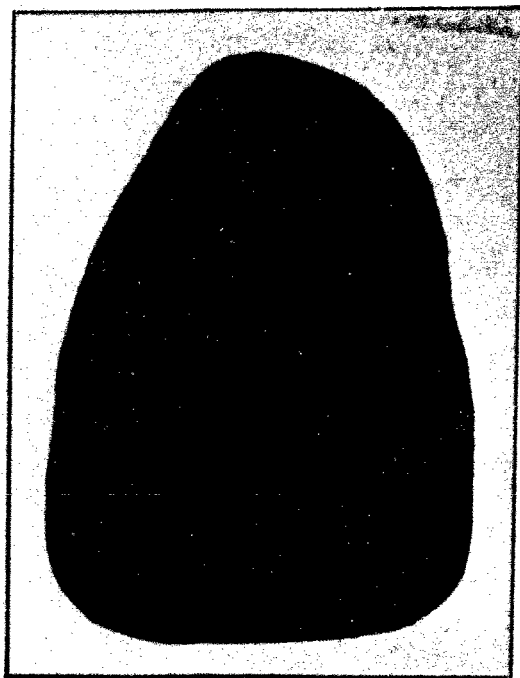
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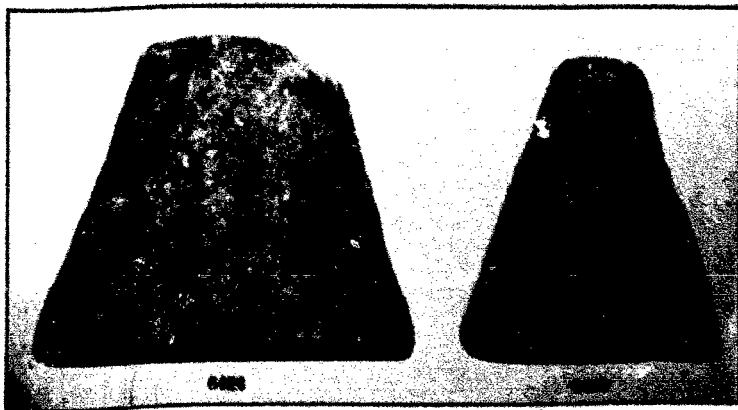
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b.



c.



d.



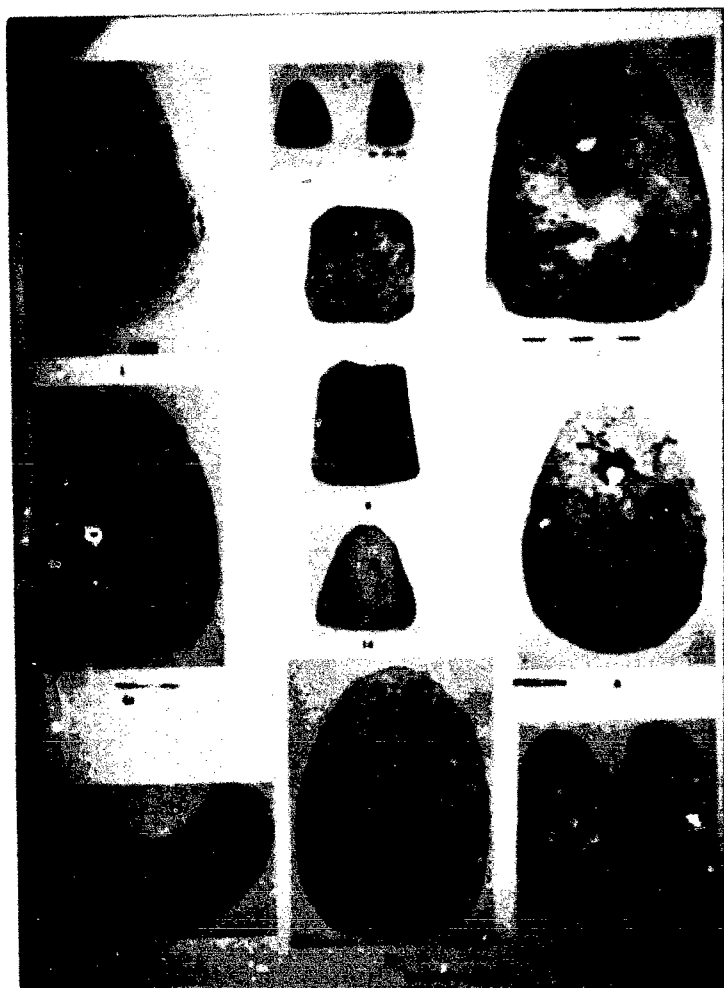
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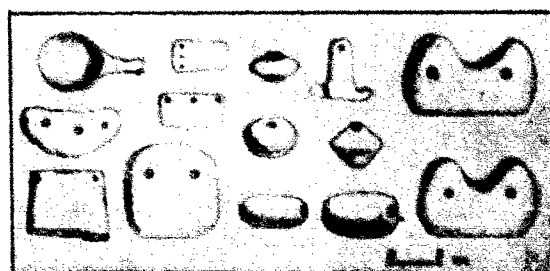
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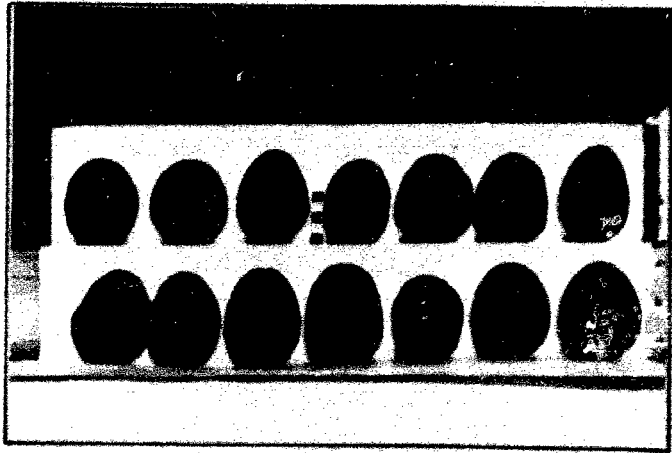
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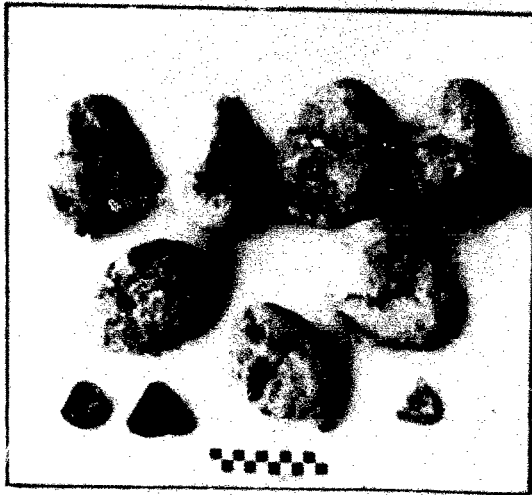
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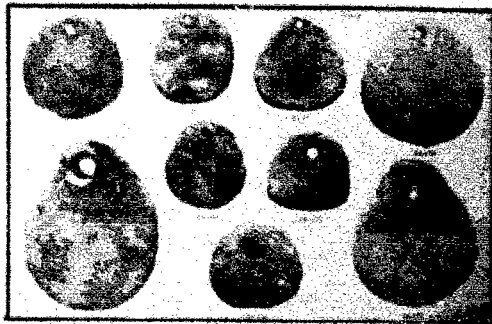
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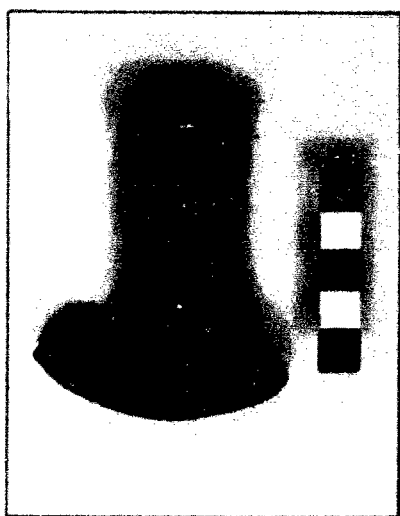
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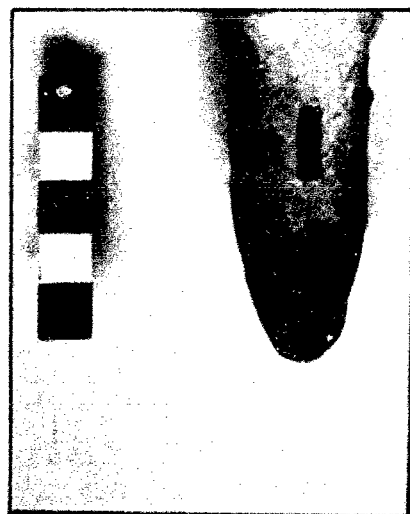
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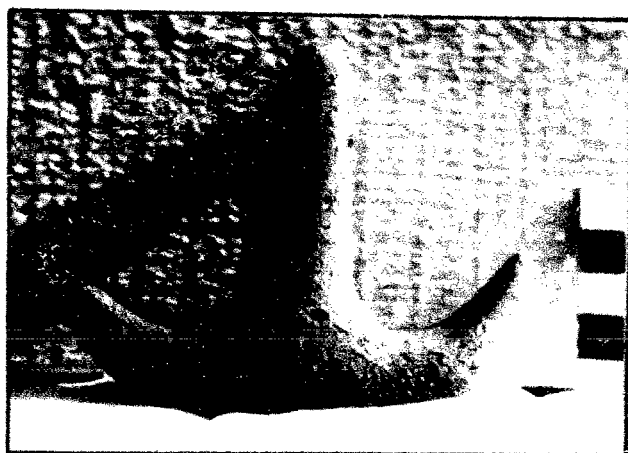
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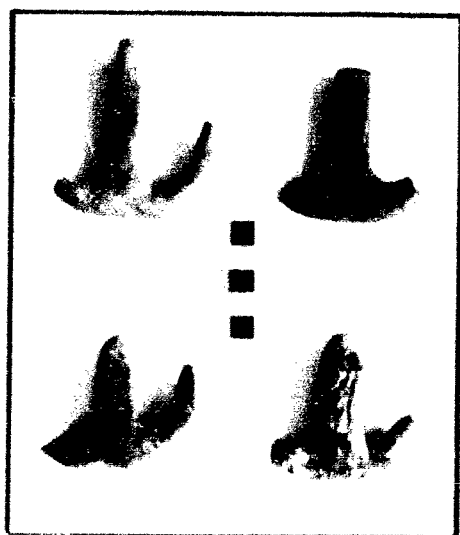
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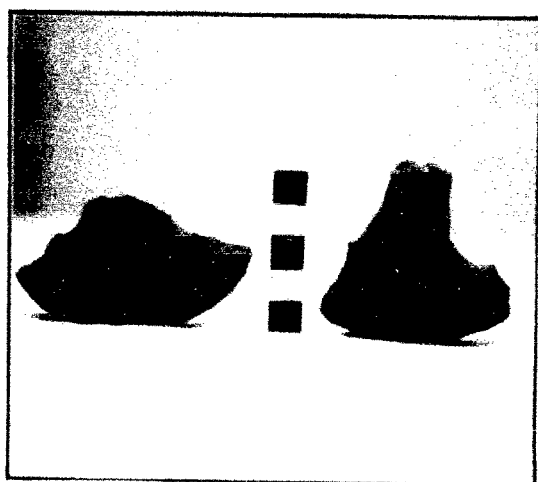
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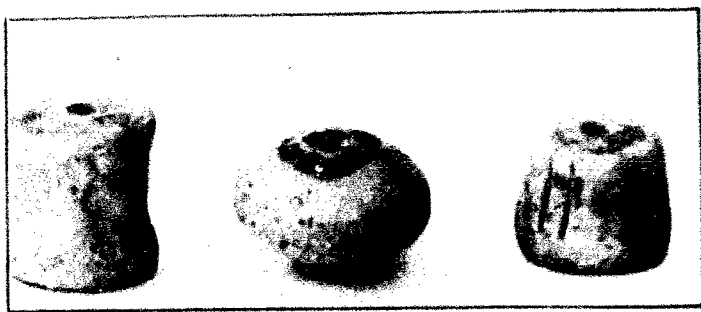
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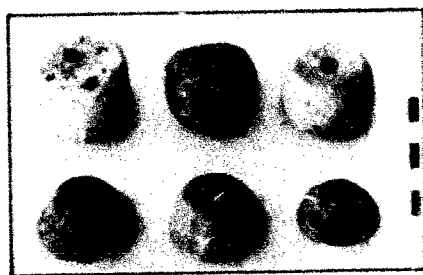
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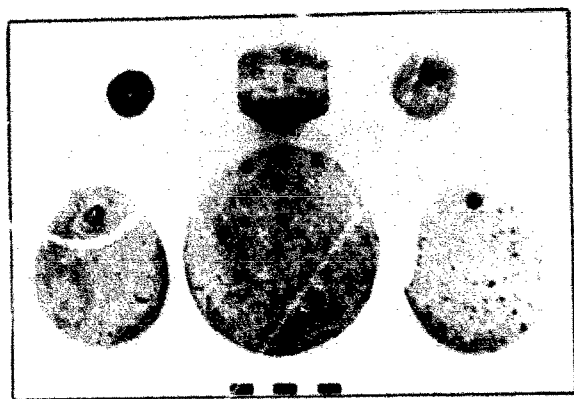
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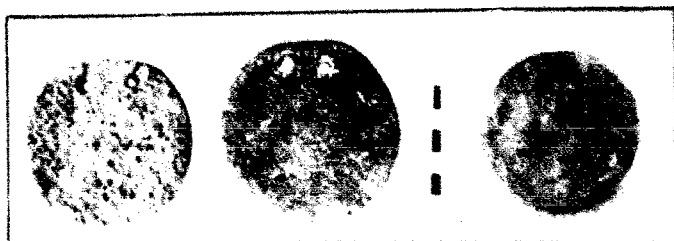
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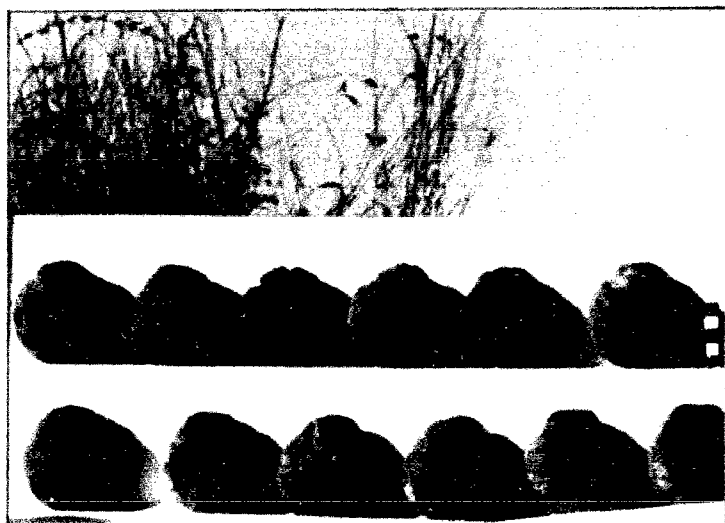
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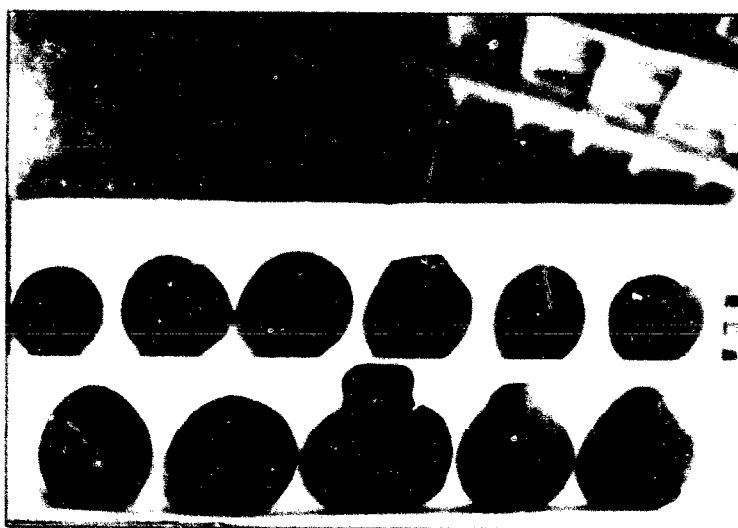
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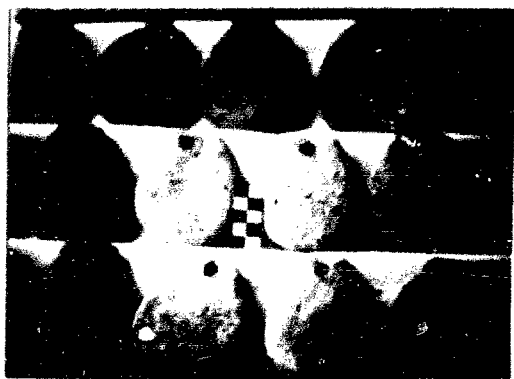
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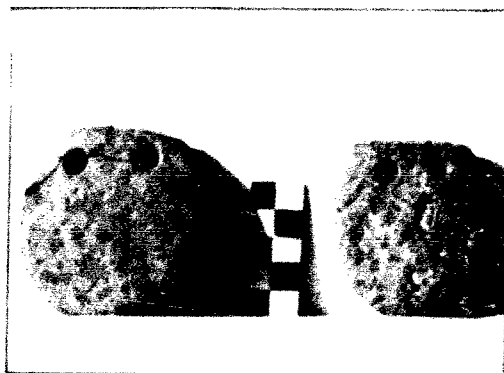
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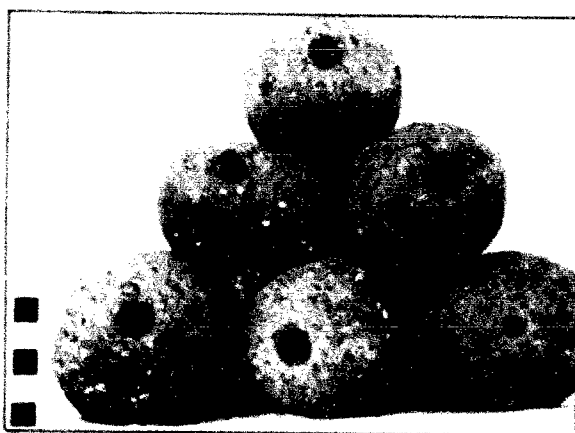
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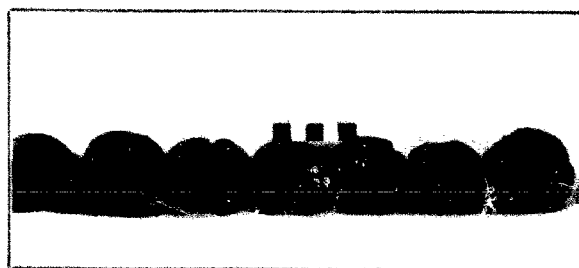
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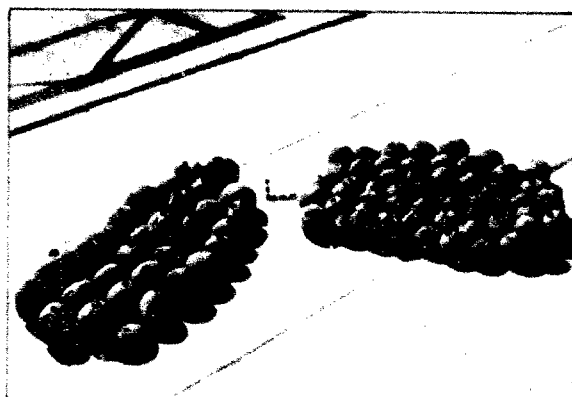
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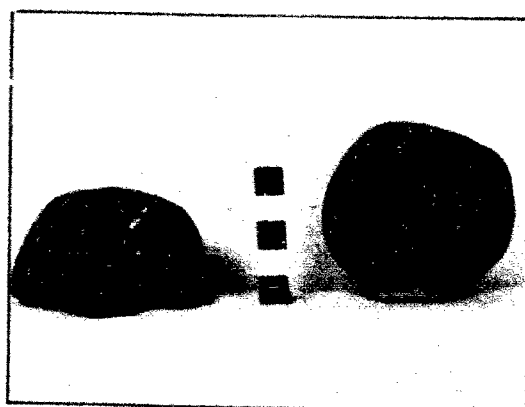
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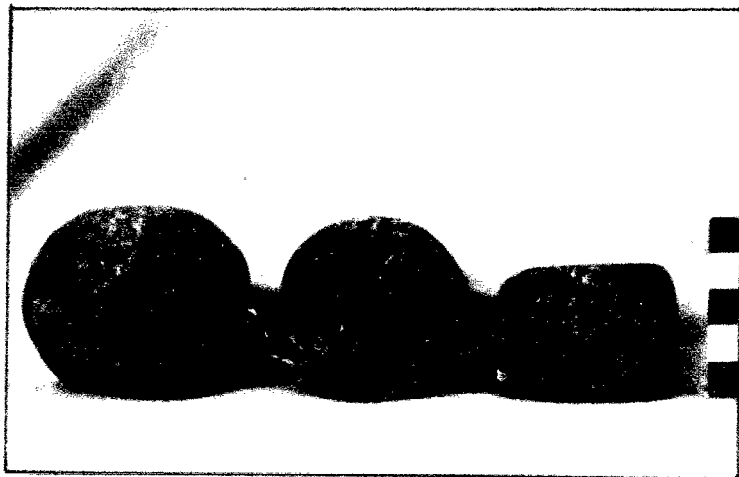
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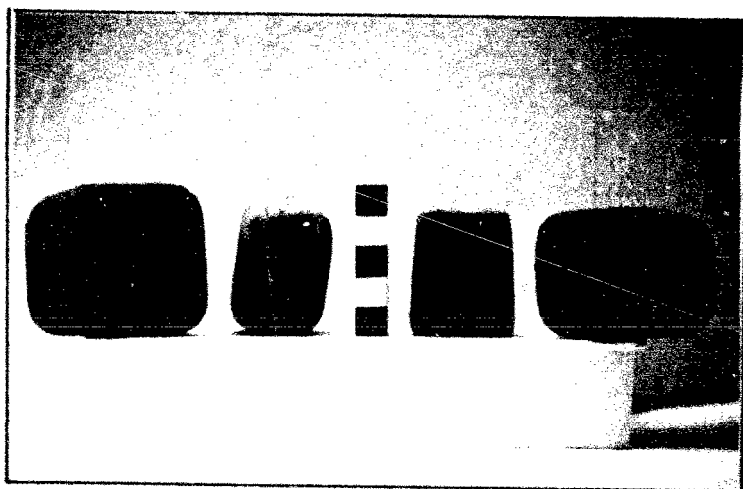
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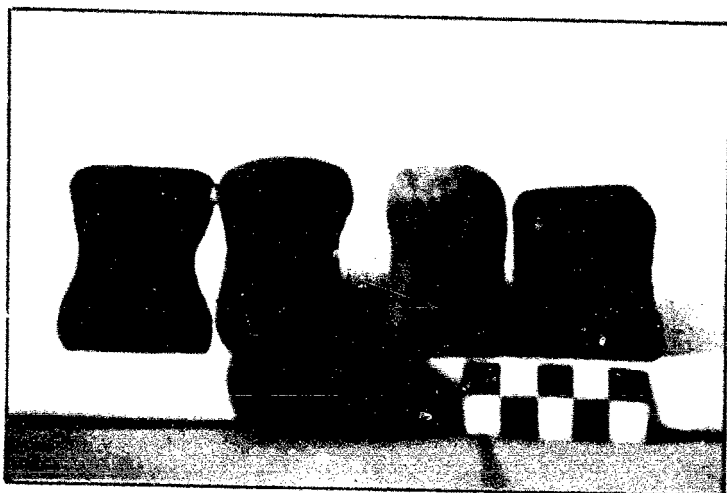
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a.



b.



c.



a



b



c



d



a.



b.



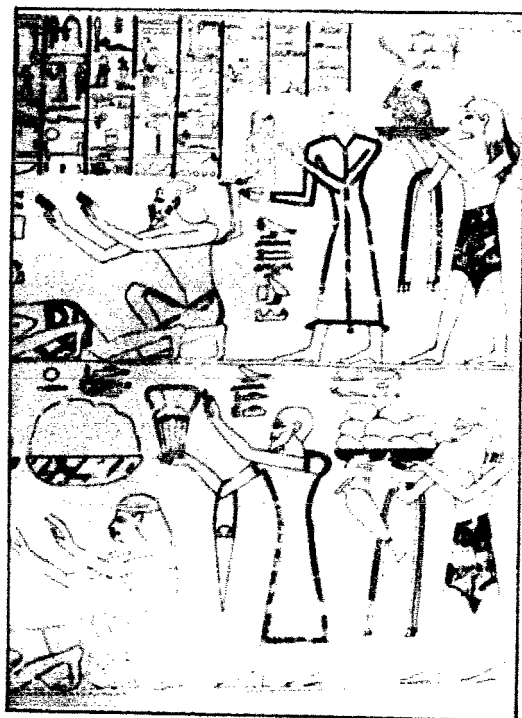
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d.



a.



b.



c.



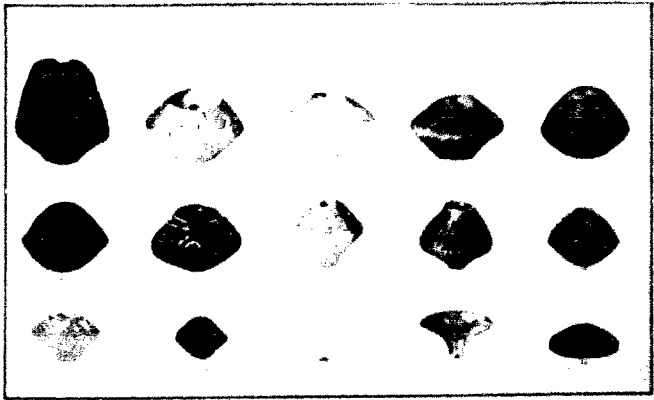
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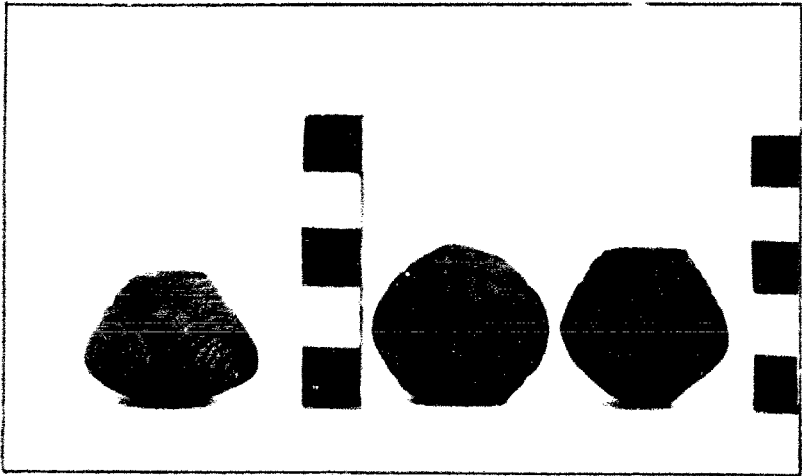
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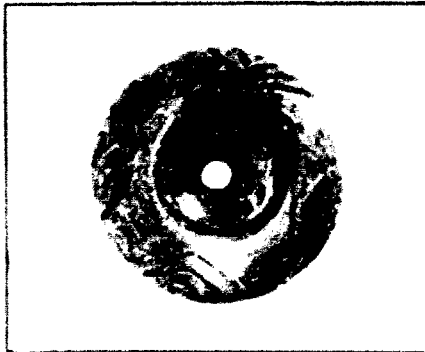
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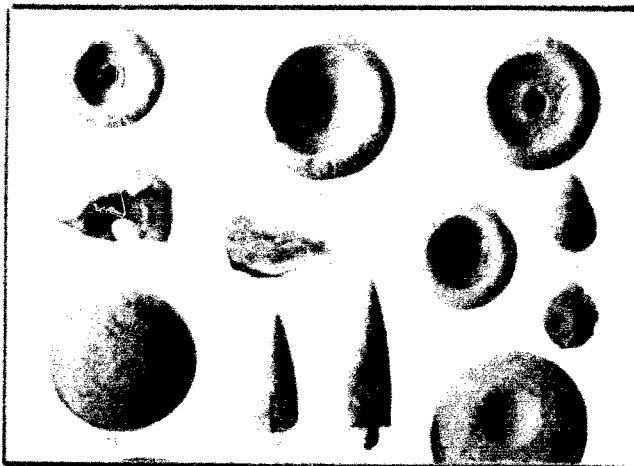
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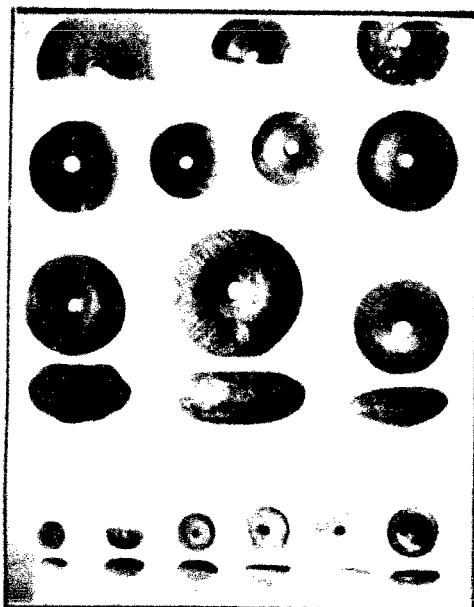
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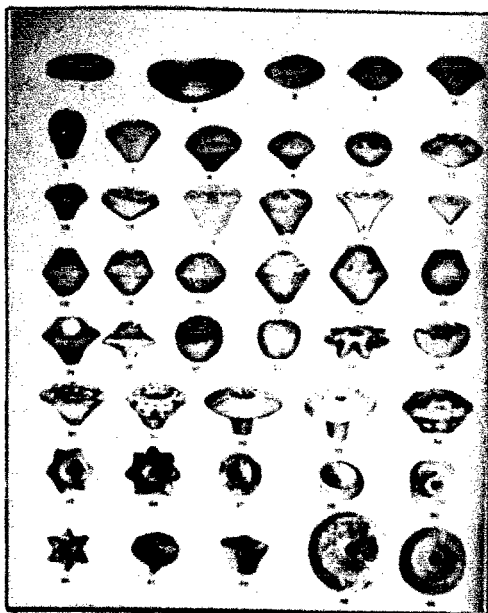
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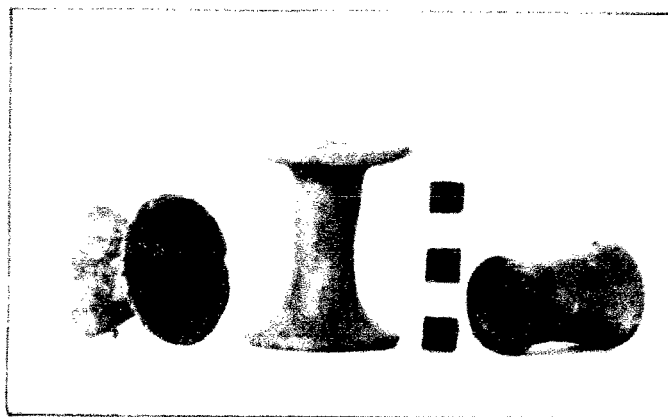
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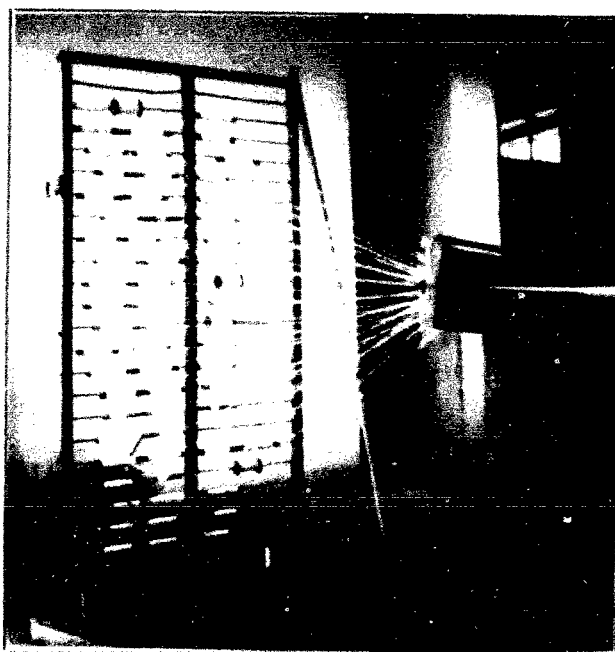
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c.



a.



b.



c.



a.



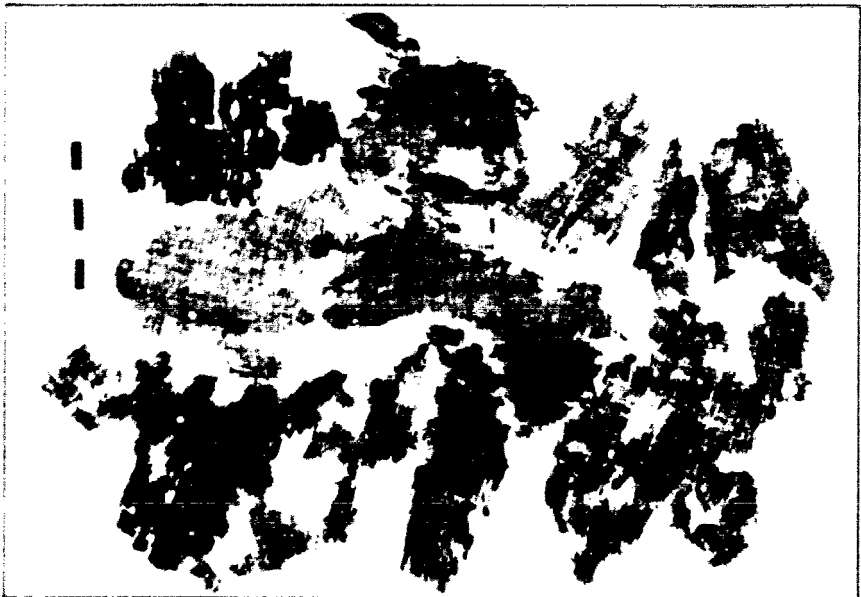
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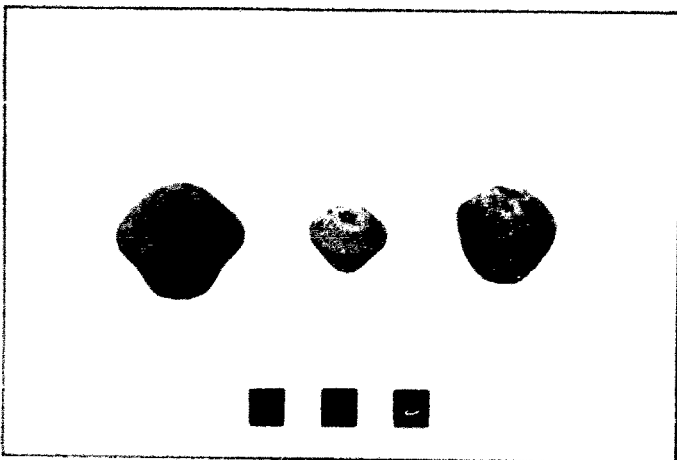
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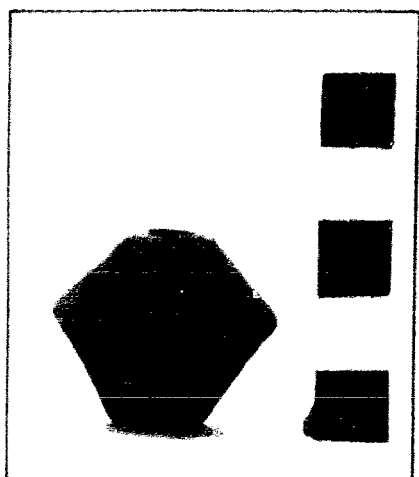
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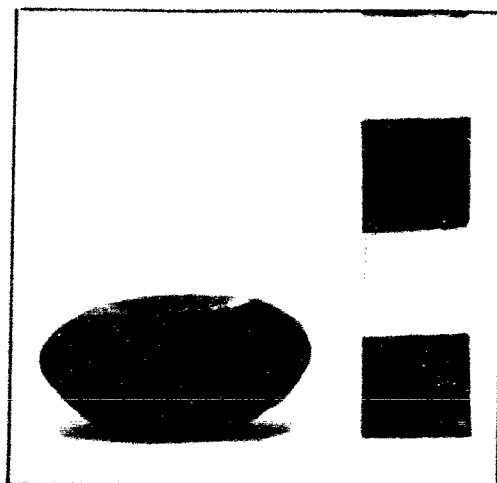
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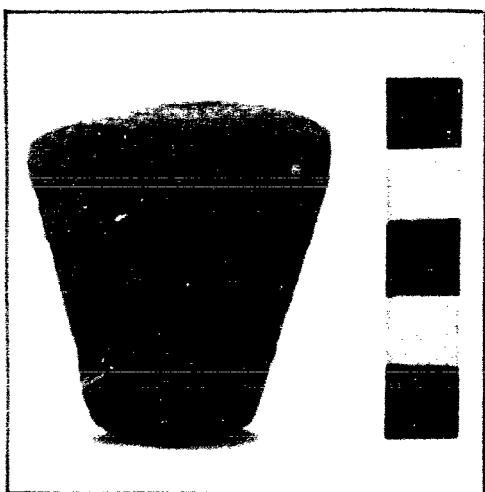
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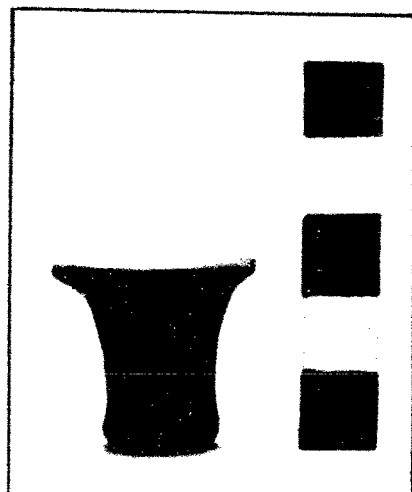
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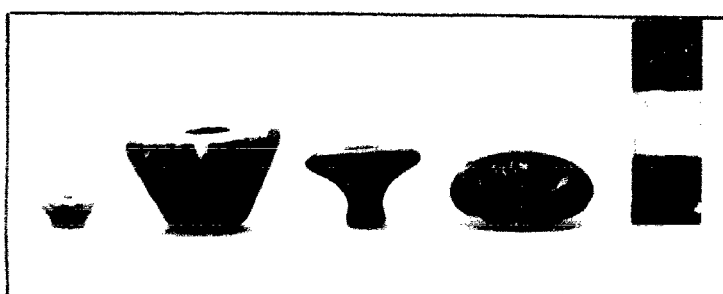
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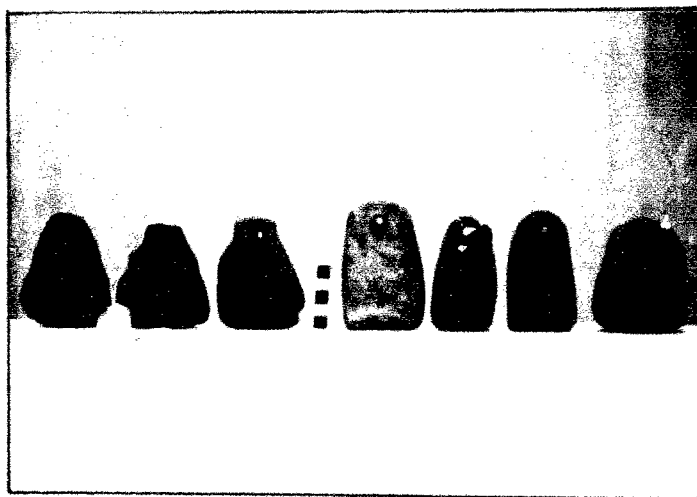
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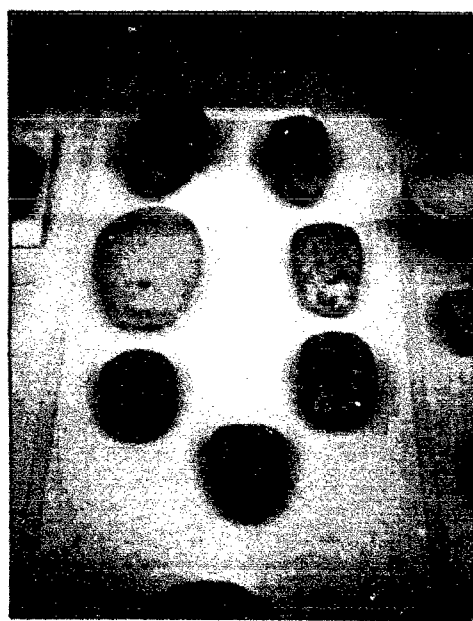
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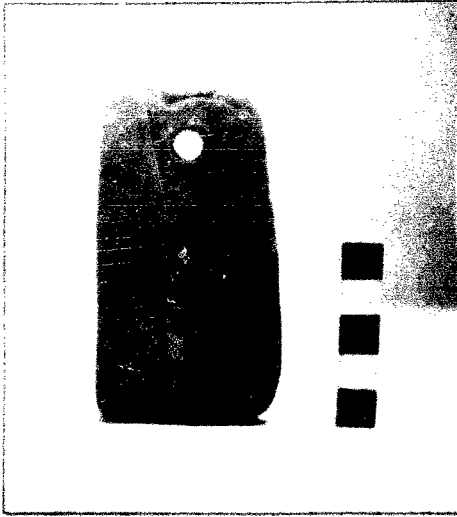
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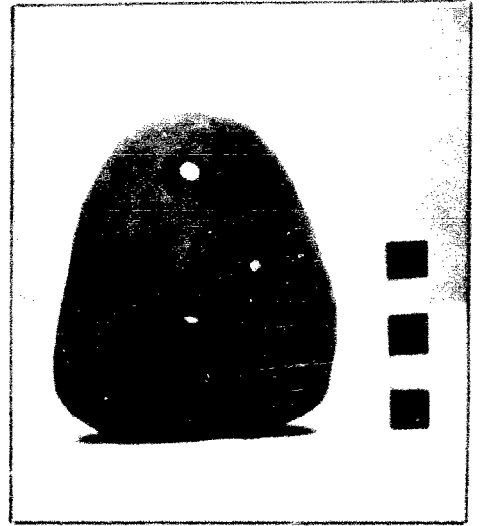
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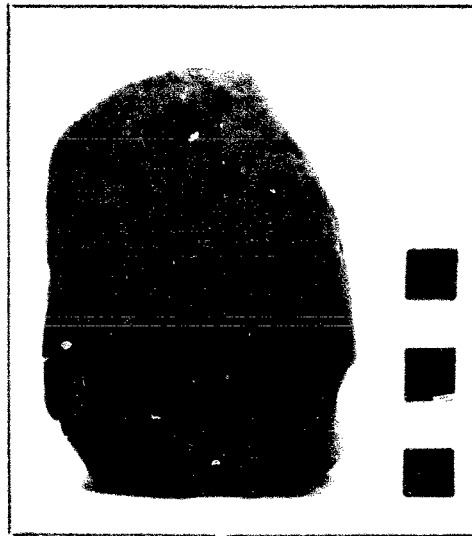
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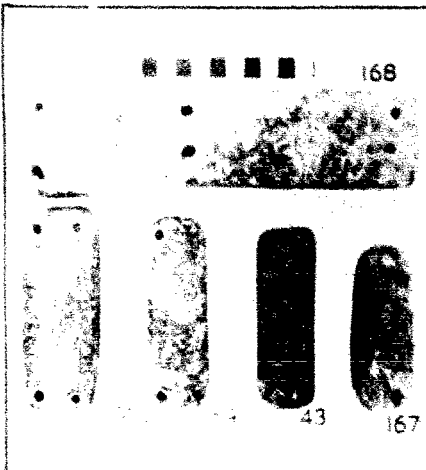
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b.



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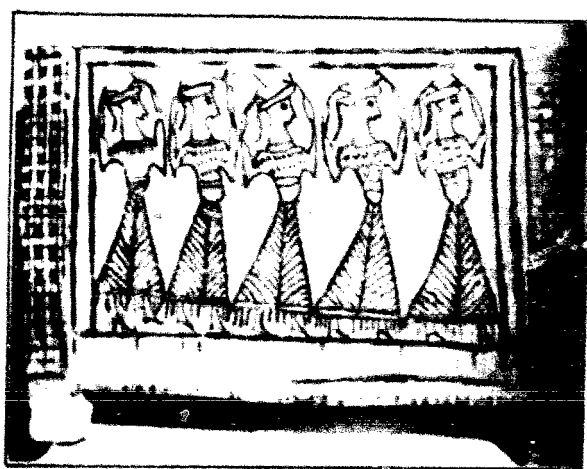
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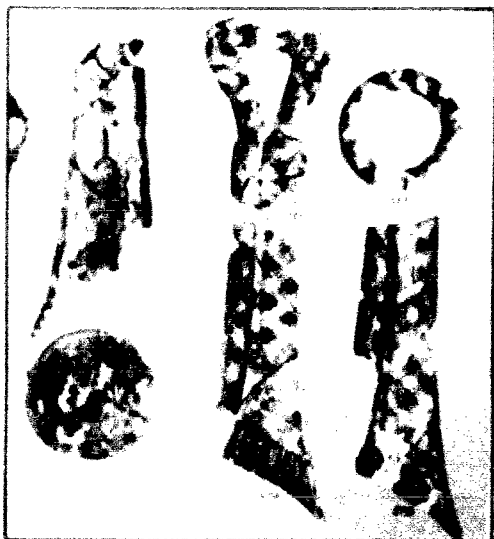
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c



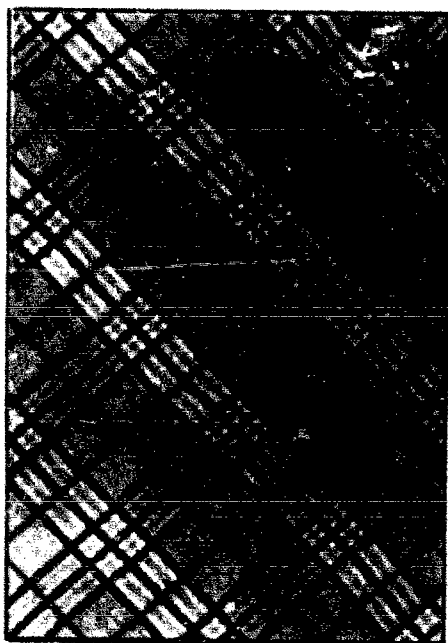
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a.



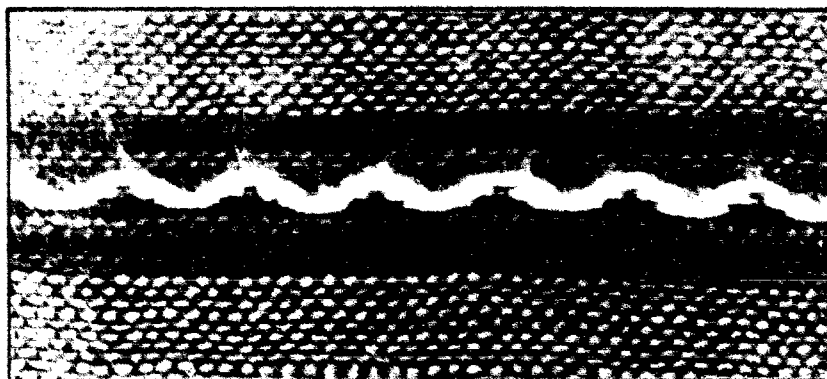
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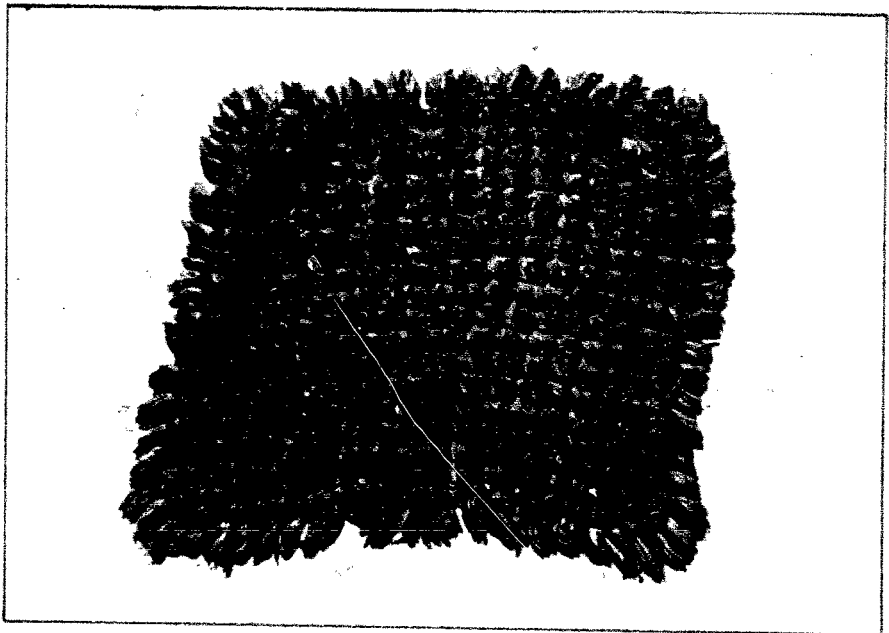
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e.



a.



b